Prathamesh Jakkula

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SIH 2024 Grand Finalist | E-Cell IIT Bombay Semifinalist | Hackathon Winner

CAREER OBJECTIVE

Aspiring AI Software Engineer passionate about building smart solutions. Experienced in machine learning, full-stack development, and AI projects. Skilled in Python, JavaScript, React, and AI frameworks. Eager to contribute to innovative tech and real-world applications.

EDUCATION

St. John College of Engineering & Management (SJCEM) — Palghar, Maharashtra

Bachelor of Engineering in Computer Science Engineering (Data Science) — *2023 – 2027*

- CGPA: 9.59/10
- Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Machine Learning, Artificial Intelligence, Software Engineering

CERTIFICATIONS

- Smart India Hackathon 2024 Grand Finale Certificate — 2024
- Machine Learning Specialization - TestRiq — 2024
- Prompt Engineering for AI Applications - TestRiq — 2024
- Database Management Systems - Infosys Springboard — 2024
- Java Programming - Infosys Springboard — 2024

TECHNICAL SKILLS

Programming Languages: Python | JavaScript | TypeScript | C++ | Java | SQL

Web Technologies: HTML5 | CSS3 | React.js | Next.js | Node.js | Express.js | REST API | GraphQL | MERN Stack

AI/ML Frameworks: TensorFlow | PyTorch | Scikit-learn | OpenAI API | LangChain | Hugging Face Transformers | NLP | Computer Vision

Databases: MongoDB | PostgreSQL | MySQL | Firebase | Prisma ORM

Cloud & DevOps: AWS | Docker | Git | GitHub Actions | CI/CD Pipeline

Mobile Development: Flutter | React Native | Android Development

Data Analytics: Pandas | NumPy | Matplotlib | Power BI | Data Visualization

Tools & Frameworks: FastAPI | Bootstrap | Tailwind CSS | Agile | Scrum | System Design

EMPLOYABILITY SKILLS

- Strong problem-solving and analytical thinking through coding competitions (LeetCode, Codeforces, GeeksforGeeks Top 10 in college).
- Effective leadership and mentoring skills as GDG AIML/DSA Lead and Technical Team Leader.
- Experience working in Agile teams, handling real-world client projects and AI integrations.
- Communication and collaboration skills gained through mentoring, workshops, and hackathons.

RESPONSIBILITIES

- **Organized Internal College Hackathon** – professionally managed event with 380+ student participants — 2024
- **Technical Team Leader** – led teams at SIH Grand Finale and E-Cell IIT Bombay competitions — 2024
- **Mentor & Judge at Elite Forums Minithon 2025** – guided 60+ aspiring developers — 2025
- **Technical Committee Member – OADS DS Committee, SJCEM** – serving for 2 years — 2024–26
- **Google Developer Group (GDG) College Chapter Lead** – serving as AIML/DSA Lead, conducting sessions & mentoring peers — 2025

INTERNSHIPS

Full-Stack Developer Intern | *Next.js, Node.js, Inngest, Arcjet, WhatsApp API* 1 months, 2025
HiQual Solutions
- Engineered and managed 3 client projects integrating payment gateway APIs and WhatsApp bot automation
- Implemented GenAI solutions and automated workflows using Inngest functions and cron jobs
- Applied Arcjet for database operations and API rate limiting, improving system performance by 30%

AI Developer & CTO Co-founder | *Next.js, AWS, Prisma, Python, ML Models* 6 months, 2024
ERPX Studio
- Led development of AI-powered ERP platform using Next.js, AWS, Prisma, and Python
- Designed and implemented ML models for business workflow automation achieving 95%+ user satisfaction
- Built scalable backend services and integrated machine learning algorithms for data analytics

Web Developer Intern | *React.js, JavaScript, Web Optimization* 2 months, 2024
Elite Forums
- Created responsive admin panel using React.js reducing content management time by 40%
- Optimized web application performance by 5x through code optimization and efficient algorithms

PROJECTS

Cyber.AI - Real-time Cybersecurity Speech-to-Speech System | *Python, Whisper, LLaMA, Piper-TTS* 2025
- Designed offline AI speech-to-speech system for cybersecurity incident response with <1 sec latency using 1.5GB RAM
- Integrated Whisper for speech recognition, LLaMA for natural language processing, and Piper-TTS for audio output

Envi.AI - Workflow Automation Platform | *Python, NLP, Voice Recognition API* 2025
- Developed voice-controlled email workflow automation in 30 hours with 30+ language translation support
- Implemented context-aware AI for Indian and global language processing using advanced NLP techniques

Socially - AI Social Media Analytics | *Next.js, Astra DB, Langflow, Machine Learning* 2024
- Built social media engagement analyzer with 1k+ data points using Astra DB and Langflow for real-time processing
- Implemented AI models for sentiment analysis and engagement prediction with 90%+ accuracy

QuizzA - AI Quiz Generator | *Flutter, Firebase, NLP, PDF Processing* 2024
- Created mobile app converting PDF documents into interactive quizzes, processing 100+ page documents in under 2 minutes
- Integrated Firebase backend supporting 500+ concurrent users with real-time synchronization and progress tracking

ACHIEVEMENTS & AWARDS

- **Smart India Hackathon 2024 Grand Finalist** – Top 5 among 500+ registrations for the problem statement 2024
- **E-Cell IIT Bombay Entrepreneurship Challenge Semifinalist** – Top 150 teams out of 25,000+ participants 2024
- **CSI Webcade Hackathon Winner** – Won among 50+ competing teams with an innovative web application 2024
- Ranked **Top 10 on GeeksforGeeks College Leaderboard** – among 280 registered students 2025
- **Hackanova Thakur 30-Hour Hackathon Finalist** – Advanced through multiple competitive rounds 2024
- **MumbaiHacks 2025 Finalist** – Top 5 teams among 500 teams from 3,500+ participants across India 2025
- **TECHATHON 2025 Winner** – Won an 8-hour AI/ML hackathon with on-the-spot problem statements at Vidyavardhini's College 2025

ADDITIONAL INFORMATION

- **Programming Profiles**: Active on Codeforces (800+ rating), LeetCode (100+ problems solved), GeeksforGeeks (Top 10 in college), and GitHub (25+ repositories)
- **Languages**: Fluent in English, Hindi, and Marathi; Native proficiency in Telugu
- **Workshops & Events**: Delivered AI/ML sessions for students, organized college hackathons, and mentored peers in coding challenges
- **Hobbies & Interests**: Competitive programming, AI research, blogging on technology, reading tech journals, travelling, chess, music, and drawing