

PRATHAMESH JAKKULA

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SIH 2024 Grand Finalist | E-Cell IIT Bombay Semifinalist | CSI Webcade 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 <i>Bachelor of Engineering in Computer Science Engineering</i>	Palghar, Maharashtra
• CGPA: 9.59/10	2023 – 2027
• 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 <i>Next.js, Node.js, Inngest, Arcjet, WhatsApp API</i> <i>HiQual Solutions</i>	Jan 2025 – Jul 2025
<ul style="list-style-type: none">Engineered and managed 3 client projects integrating payment gateway APIs and WhatsApp bot automationImplemented GenAI solutions and automated workflows using Inngest functions and cron jobsApplied Arcjet for database operations and API rate limiting, improving system performance by 30%	
AI Developer & CTO Co-founder <i>Next.js, AWS, Prisma, Python, ML Models</i> <i>ERPX Studio</i>	Mar 2024 – Dec 2024
<ul style="list-style-type: none">Led development of AI-powered ERP platform using Next.js, AWS, Prisma, and PythonDesigned and implemented ML models for business workflow automation achieving 95%+ user satisfactionBuilt scalable backend services and integrated machine learning algorithms for data analytics	
Web Developer Intern <i>React.js, JavaScript, Web Optimization</i> <i>Elite Forums</i>	Jun 2024 – Aug 2024
<ul style="list-style-type: none">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	

Personal Projects

Cyber.AI - Real-time Cybersecurity Speech-to-Speech System <i>Python, Whisper, LLaMA, Piper-TTS</i>	2025
<ul style="list-style-type: none">Designed offline AI speech-to-speech system for cybersecurity incident response with <1 sec latency using 1.5GB RAMIntegrated Whisper for speech recognition, LLaMA for natural language processing, and Piper-TTS for audio output	
Envi.AI - Workflow Automation Platform <i>Python, NLP, Voice Recognition API</i>	2025
<ul style="list-style-type: none">Developed voice-controlled email workflow automation in 30 hours with 30+ language translation supportImplemented context-aware AI for Indian and global language processing using advanced NLP techniques	
Socially - AI Social Media Analytics <i>Next.js, Astra DB, Langflow, Machine Learning</i>	2024
<ul style="list-style-type: none">Built social media engagement analyzer with 1k+ data points using Astra DB and Langflow for real-time processingImplemented AI models for sentiment analysis and engagement prediction with 90%+ accuracy	
QuizzA - AI Quiz Generator <i>Flutter, Firebase, NLP, PDF Processing</i>	2024
<ul style="list-style-type: none">Created mobile app converting PDF documents into interactive quizzes, processing 100+ page documents in under 2 minutesIntegrated 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	2023
Ranked Top 10 on GeeksforGeeks College Leaderboard – among 280 registered students	2025

Additional Information

Programming Profiles: Codeforces (800+ rating), LeetCode (100+ problems solved), GeeksforGeeks (Top 10 in college), GitHub (25+ repositories)
Languages: English (Fluent), Hindi (Fluent), Marathi (Fluent), Telugu (Native)
Hobbies & Interests: Competitive programming, AI research, Blogging on technology, Reading tech journals
Workshops & Events: Conducted AI/ML sessions for students, Organized college hackathons, Mentoring peers in coding challenges
Other Interests: Travelling, Chess, Fitness, Music, Drawing