

# 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  
*Bachelor of Engineering in Computer Science Engineering*

Palghar, Maharashtra  
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

<b>Full-Stack Developer Intern</b>   <i>Next.js, Node.js, Inngest, Arcjet, WhatsApp API</i> <i>HiQual Solutions</i>	Jan 2025 – Jul 2025
<ul style="list-style-type: none"><li>Engineered and managed 3 client projects integrating payment gateway APIs and WhatsApp bot automation</li><li>Implemented GenAI solutions and automated workflows using Inngest functions and cron jobs</li><li>Applied Arcjet for database operations and API rate limiting, improving system performance by 30%</li></ul>	
<b>AI Developer &amp; CTO Co-founder</b>   <i>Next.js, AWS, Prisma, Python, ML Models</i> <i>ERPX Studio</i>	Mar 2024 – Dec 2024
<ul style="list-style-type: none"><li>Led development of AI-powered ERP platform using Next.js, AWS, Prisma, and Python</li><li>Designed and implemented ML models for business workflow automation achieving 95%+ user satisfaction</li><li>Built scalable backend services and integrated machine learning algorithms for data analytics</li></ul>	
<b>Web Developer Intern</b>   <i>React.js, JavaScript, Web Optimization</i> <i>Elite Forums</i>	Jun 2024 – Aug 2024
<ul style="list-style-type: none"><li>Created responsive admin panel using React.js reducing content management time by 40%</li><li>Optimized web application performance by 5x through code optimization and efficient algorithms</li></ul>	

Personal Projects

<b>Cyber.AI - Real-time Cybersecurity Speech-to-Speech System</b>   <i>Python, Whisper, LLaMA, Piper-TTS</i>	2025
<ul style="list-style-type: none"><li>Designed offline AI speech-to-speech system for cybersecurity incident response with &lt;1 sec latency using 1.5GB RAM</li><li>Integrated Whisper for speech recognition, LLaMA for natural language processing, and Piper-TTS for audio output</li></ul>	
<b>Env.AI - Workflow Automation Platform</b>   <i>Python, NLP, Voice Recognition API</i>	2025
<ul style="list-style-type: none"><li>Developed voice-controlled email workflow automation in 30 hours with 30+ language translation support</li><li>Implemented context-aware AI for Indian and global language processing using advanced NLP techniques</li></ul>	
<b>Socially - AI Social Media Analytics</b>   <i>Next.js, Astra DB, Langflow, Machine Learning</i>	2024
<ul style="list-style-type: none"><li>Built social media engagement analyzer with 1k+ data points using Astra DB and Langflow for real-time processing</li><li>Implemented AI models for sentiment analysis and engagement prediction with 90%+ accuracy</li></ul>	
<b>QuizzA - AI Quiz Generator</b>   <i>Flutter, Firebase, NLP, PDF Processing</i>	2024
<ul style="list-style-type: none"><li>Created mobile app converting PDF documents into interactive quizzes, processing 100+ page documents in under 2 minutes</li><li>Integrated Firebase backend supporting 500+ concurrent users with real-time synchronization and progress tracking</li></ul>	

Achievements & Awards

<b>Smart India Hackathon 2024 Grand Finalist</b> – Top 5 among 500+ registrations for the problem statement	2024
<b>E-Cell IIT Bombay Entrepreneurship Challenge Semifinalist</b> – Top 150 teams out of 25,000+ participants	2024
<b>CSI Webcade Hackathon Winner</b> – Won among 50+ competing teams with an innovative web application	2023
<b>Ranked Top 10 on GeeksforGeeks College Leaderboard</b> – 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