

# SAATHVIK KALEPU

## FULL STACK DEVELOPER • AI & CLOUD ENTHUSIAST

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### PROFILE

- Versatile Full Stack Developer and AI enthusiast with hands-on experience in scalable web applications and intelligent systems.
- Strong foundation in data structures, backend engineering, cloud deployment, and modern AI/ML workflows.
- Passionate about building high-impact products, solving real-world problems, and contributing to open-source projects.

### SUMMARY OF EXPERIENCE

- Experience in building full-stack applications using modern frontend and backend frameworks.
- Hands-on exposure to cloud platforms, containerization, and DevOps fundamentals.
- Completed a 6-month industry internship focused on real-world AI and full-stack systems.
- Active participant in technical communities, hackathons, and problem-solving platforms.

### EDUCATION

#### B.TECH IN COMPUTER SCIENCE & ENGINEERING

Indian Institute of Information Technology, Design and Manufacturing (IITDM), Kurnool  Expected 2027  
CGPA: 8.2

#### INTERMEDIATE (CLASS XII)

Valley Oak Junior College  2021 – 2023  
Percentage: 98.8%

#### SECONDARY SCHOOL CERTIFICATE (SSC)

Dr. KKR Gowtham High School  2020 – 2021  
CGPA: 10.0

### INTERNSHIP EXPERIENCE

#### SOFTWARE ENGINEERING INTERN (AI & FULL STACK)

aimaster.live  6 Months

- Completed a 6-month intensive internship learning from experienced industry professionals.
- Worked on AI-driven applications, backend services, and scalable system design.
- Led and contributed to real-time, production-oriented projects following industry best practices.
- Collaborated with cross-functional teams through code reviews, sprint planning, and deployments.

### HACKATHONS & COMPETITIONS

- **Adobe India Hackathon** – Participated in a national-level hackathon focused on building scalable, user-centric digital solutions.
- **Smart India Hackathon (SIH)** – Worked in a team environment to design technology-driven solutions for real-world problem statements.
- **AI & ML Innovation Hackathon** – Built AI-powered prototypes leveraging NLP and data-driven decision-making.

## PROJECTS

### CROWDFUNDING PLATFORM

📍 Academic Project

**Project:** Secure Crowdfunding System

**Role(s):** Developer

**Responsibilities:**

- Designed a full-featured crowdfunding platform with role-based authentication.
- Implemented ACID-compliant wallet, pledge, refund workflows, triggers, and audit logs.
- Built a modern UI using Tailwind CSS, Three.js animations, and Framer Motion.

### FULL STACK DEVELOPER

📅 2024

**Client:** Self / Academic

**Technologies:** React, Node.js, Express, SQLite, JWT

### SUPPLY CHAIN OPTIMIZATION

📍 Academic Project

**Project:** Logistics Cost Optimization Engine

**Role(s):** Developer

**Responsibilities:**

- Developed a linear programming model for optimal routing and demand allocation.
- Achieved up to 18% cost reduction in simulated supply chain scenarios.
- Visualized results using Tableau dashboards for comparative analysis.

### OPTIMIZATION ENGINEER

📅 2024

**Client:** Self / Academic

**Technologies:** Python, PuLP, Tableau

### SERENITY - AI WELLNESS APP

📍 Personal Project

**Project:** AI-powered Mental Wellness Platform

**Role(s):** Developer

**Responsibilities:**

- Built an AI-driven wellness app with journaling, mood tracking, and sentiment analysis.
- Used NLP techniques to generate personalized emotional insights.
- Ensured secure cloud synchronization and encrypted user data storage.

### FULL STACK DEVELOPER

📅 2025

**Client:** Self

**Technologies:** React, TypeScript, Firebase, Flask, NLP

### UNICOUNSEL

📍 Internship Project

**Project:** Student Counselling Platform

**Role(s):** Developer

**Responsibilities:**

- Led a small development team to deliver a real-time student counselling platform during internship.
- Designed and implemented multi-step assessments and role-based dashboards.
- Integrated Google Maps APIs and ensured production-ready UI using Tailwind CSS.

### FULL STACK DEVELOPER

📅 2025

**Client:** Aimaster.live

**Technologies:** React, Node.js, MongoDB, Firebase

## TECHNICAL SKILLS

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- **Languages:** Java, Python, JavaScript, C++, SQL, TypeScript
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind, Material UI
- **Backend:** Node.js, Express.js, Django, REST APIs, WebSockets
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Firebase, Docker, Kubernetes
- **AI/ML:** NLP, Computer Vision, PyTorch, TensorFlow, Scikit-learn
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis

## ACHIEVEMENTS & LEADERSHIP

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- Led a development team during internship to successfully deliver a hands-on, real-time production project.
- GitHub Campus Expert – recognized for technical community leadership.
- Solved 500+ problems on LeetCode (Top 10% globally).
- Participated in multiple hackathons, coding contests, and AI-focused workshops.

## EXTRA-CURRICULAR ACTIVITIES

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- **NSS Volunteer** – Participated in social service activities, awareness drives, and community development programs.
- **NSO Participant** – Actively involved in sports and fitness initiatives promoting discipline and teamwork.
- Technical Club Member – Engaged in peer learning, workshops, and technical seminars.
- Regular participant in coding challenges and developer meetups to enhance problem-solving skills.