

Omkar Palika

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Microsoft Learn | Google Developers | HackerRank | LeetCode

Professional Summary:

Results-driven Computer Science Engineering student skilled in backend (Java, Python), frontend (React.js, Next.js), and AI-powered solutions. Passionate about full-stack development, scalable architecture, system design, automation, and cloud computing. Recognized Unstop mentor, hackathon organizer, and tech event leader with expertise in API development, AI integration, and database management. Seeking an internship to apply my skills in software development, AI/ML, research, and innovative tech projects.

Education Details:

2026 B.Tech [CSE] 7.67
Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam

2022 XII [AP Board] [MPC] 9.25
Tirumala Junior College, Visakhapatnam

2020 X [AP Board] 9.80
Sri Prakash Vidya Niketan, Tuni

Internship/Work Experience:

• Java Backend Development – Intern

Fulcrum GT | Hyderabad | May 2024 – July 2024

- Developed scalable backend components using Java to enhance system efficiency.
- Designed and implemented the RESTful APIs, ensuring seamless data exchange.
- Optimized backend processes, boosting API response time by 20% through efficient code practices.
- Collaborated with senior developers to enhance API security and database efficiency.

• Frontend Development – Intern

Oasis Infobyte | Virtual | May 2024 – July 2024

- Developed responsive and accessible web interfaces using HTML, CSS, and JavaScript.
- Optimized frontend performance, reducing page load times by 15%.
- Ensured cross-browser compatibility and improved UI/UX for training projects.

Projects:

• Personal Portfolio | March 2025 – Present

- Designed and developed a modern, responsive portfolio using Next.js and TypeScript.
- Optimized performance using Next.js dynamic imports, Next.js Image component, and SEO best practices.
- Deployed on Vercel, featuring interactive UI animations and dynamic content.
- **Source Code | Visit Site**

• JARSI | February 2025 – Present

Prototype Stage | UG Dissertation

- Developed a self-learning AI assistant using Reinforcement Learning (RLHF) to autonomously improve its capabilities.
- Implemented multi-model blending with Molmo, OpenAssistant, and Mistral 7B for intelligent task execution.
- Designed a self-training mechanism with real-time web learning and automation.

• AI-Hub | February 2025 – Present

Prototype Stage | UG Dissertation

- Built a cutting-edge AI discussion platform enabling multi-LLM interactions for the group discussions, debates, and pitch deck generation.
- Integrated both voice and text input/output, mood-based responses, and parallel LLM processing for seamless conversations.
- Developed using Next.js, TypeScript (Vercel), Node.js (Railway), and open-source LLMs (Hugging Face, Google Colab).

• NeuroCode | February 2025 – Present

Prototype Stage | UG Dissertation

- Designed an inclusive coding environment with voice commands, screen reader optimization, and integrated eye-tracking for cursor movement enhancing accessibility for users with disabilities.
- Developed a real-time code execution engine supporting multiple programming languages.
- Created an adaptive UI ensuring contrast adjustments and keyboard navigation for accessibility.

• Ayur | February 2025 – Present

- Developed an AI-driven health assistant providing personalized Ayurvedic recommendations based on traditional principles.
- Integrated NLP-based diagnostics, body type (Dosha) analysis, and voice-enabled chatbot support.
- Trained ML models on Ayurvedic texts and expert-reviewed datasets.
- **Assets**

Access all projects here

Skills:

- **Programming:** Java, Python, JavaScript, C, C++, C#, TypeScript (Core: DSA, OOP)
- **Frontend:** React.js, Next.js, Bootstrap, Tailwind CSS
- **Backend:** Node.js, Express.js, Flask, RESTful APIs, Postman
- **AI/ML/DL:** TensorFlow, Keras, PyTorch, NLP, Reinforcement Learning
- **Databases & Cloud:** MongoDB, MySQL, PostgreSQL, Google Colab, Hugging Face, Vercel, Railway
- **Tools & Version Control:** Git, GitHub, VS Code, Canva, Figma, Google Apps Script

Trainings and Workshops:

- SQL For Data Analytics
Internshala Trainings | Online | 4 weeks
- Machine Learning Using Python
Acmegrade Pvt Ltd | Online | 8 weeks
- ML & Google AI Applications
IEEE EdSoc Leadership Summit | ANITS | 2 days
- AWS – Cloud Computing
APSSDC | ANITS | 5 days

Technical Certifications:

- Introduction to version control with Git
Microsoft | July 2024
- GitHub Copilot Fundamentals
Microsoft | July 2024
- Introduction to Responsible AI
Google | July 2024
- Introduction to Generative AI
Google | July 2024
- Introduction to Large Language Models
Google | July 2024
- JavaScript Algorithms and Data Structures
freeCodeCamp | June 2024
- Responsive Web Design
freeCodeCamp | May 2024

Awards and Achievements:

- **Winner of Business Kombat**
ANITS | March 2024
- **Winner of Tech Buzz**
ANITS | June 2024

Co/Extra-Curricular Activities:

- **Event Coordinator**
24-Hour Hackathon | ANITS | March 3rd – 5th, 2025
 - Organized and hosted a 24-hour hackathon on SEO-Friendly Web Development, managing 250+ participants.
 - Developed an Attendance Management System (automated) using Google Apps Script, featuring QR code-based entry (with embedded details), personalized email notifications, an in-built scanner for attendance marking, and a real-time analytics dashboard.
- **Chapter Lead**
GFG Student Chapter | ANITS | August 2024 – Present
 - Organized 10+ technical events seminars, and workshops, enhancing community engagement and participation.
 - Hosted 2 hackathons with 250+ participants
- **Fundraiser Intern**
Muskurahat Foundation | April 2024 – May 2024
 - Led fundraising campaigns and outreach initiatives, successfully securing contributions for social causes.
- **Student Coordinator**
NSS | January 2023 – Present
 - Managed and coordinated community service programs and volunteer-driven initiatives to drive social impact.

Mentor

Unstop | March 2024 – Present

- Provided career guidance, project and research mentorship, and technical assistance to peers and professionals.
- Conducted resume and profile reviews, offering strategic enhancements for better opportunities.
- Assisted individuals in refining their technical skills and navigating research-oriented projects.

Hobbies and Interests:

- Competitive Programming & Problem Solving
- Open-Source Contributions & Community Engagement
- AI/ML Research & Development
- Hackathons & Tech Innovation