

Devansh Parapalli

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EDUCATION

Government College of Engineering, Nagpur
Bachelor's of Technology, Computer Science and Engineering
• CGPA: 8.28/10.0 | Notable Project: Development Containers for many notable languages, including C, C++, Java, Python and more.

Nagpur, Maharashtra, India
Dec 2021 — Present

WORK EXPERIENCE

Software Development Engineer Intern
PolymathAI

Jun 2024 — August 2024
Nagpur, Maharashtra, India

- Led the development of Polymath Pods (getpods.pro), achieving 500+ active users within first month of launch.
- Created a full-stack Next.js application with TypeScript and Python backend, resulting in 99.9% uptime and <100ms response times.
- Implemented automated CI/CD pipeline that reduced deployment time from hours to minutes and eliminated release-related downtime.

Software Development Engineer Intern
Gameathon

Feb 2023 — April 2023
Remote

- Integrated Razorpay and Stripe payment gateways into a multi-faceted system, processing over ₹1,00,000 in transactions.
- Designed and built a game request feature that increased user engagement by 35% and platform retention by 18%
- Engineered a flexible e-commerce system supporting dynamic pricing, discount codes, and cart management.

PROJECTS

AIKO: AI-powered Knowledge Organizer (aiko.parapalli.dev)

Jun 2024 — Present

- Innovated a full knowledge management system that processes and organizes information from various sources and modalities.
- Authored a custom NLP pipeline, reducing token usage by 40% while maintaining 95% accuracy in content classification
- Conceived an innovative “single-file” plugin architecture with Python, enabling developers to extend functionality with 90% less code
- Added comprehensive test coverage (90%+) and CI/CD pipeline using GitHub Actions

ARA: AI Research Assistant (ara.parapalli.dev)

Jan 2024 — May 2024

- Identified inefficiencies in academic workflows and built an AI-powered solution that reduced literature review time by 60%
- Pioneered custom streaming LLM framework achieving 80% faster response times compared to standard implementations
- Optimized core functionality by re-implementing LLM fundamentals in Python, further reducing response time.

RTMNU Result Scraping (<https://github.com/DevParapalli/rtmnu-result-scraping>)

May 2022 — Present

- Engineered a resilient web scraper that handles site inconsistencies with 99.8% accuracy and scrapes the rtmnureults.org site.
- Designed ranking algorithms that provide previously unavailable college and university-wide performance insights, now used by 5 departments for academic planning.
- Implemented synchronization between browser and application contexts, enabling checkpoint-based recovery with 100% reliability

EXTRACURRICULAR ACTIVITES

Smart India Hackathon (Software) Finalist

Dec 2023

Vice President, COMSA

Sep 2023 — Aug 2024

Co-Head Student Coordinator & Internship Coordinator, IIC

Sep 2022 — Aug 2023

Technical Lead, Google Developer Club

Aug 2022 — Jul 2023

SKILLS AND AWARDS

- Core Languages:** Python (5+ years, expert), JavaScript/TypeScript (4+ years, advanced), C/C++ (3+ years, intermediate), Rust, Go, Java (1 year, beginner)
- Web Development:** Svelte (built 10+ production apps), React, Next.js, Node.js, Express.js, FastAPI (4+ years), Django, TailwindCSS
- Database Technologies:** PostgreSQL, MongoDB, SQLite, specialized in high-performance database design and optimization.
- AI/ML Engineering:** Custom NLP pipelines, LLM ModelOps, Vector Databases, Embedding models, LangChain, Pinecone.
- DevOps & Infrastructure:** Docker & containerization (3 years), CI/CD Pipelines, AWS(EC2, S3, Lambda), Serverless Architecture
- Awards:** World Robotics Olympiad Runner-up (2017), Regional Finalist TechWiz 2018 and 2019, SIH’23 Finalist