Devansh Parapalli

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EDUCATION

Government College of Engineering, Nagpur — Nagpur, Maharashtra, India
Bachelor's of Technology, Computer Science and Mathematics — *Dec 2021 — Present*
- CGPA: 8.28/10.0 | Relevant Coursework: AI/ML, Deep Learning, Data Structures and Algorithms, Compiler Design, Web Development, Python Programming, Java Fundamentals, Data Science, Abstract Mathematics, Linear Algebra, Calculus

WORK EXPERIENCE

Software Engineering Intern — Jun 2024 — August 2024
PolymathAI — *Nagpur, Maharashtra, India*
- Creation of a new AI-powered application, aimed at increasing content organization of links, videos etc. (getpods.pro)
- Led the development of full-stack applications using Next.js and Python with full CI/CD pipelines.
- Developed a robust content scraping framework, capable of integrating with any data type.

Software Engineering Intern — Feb 2023 — April 2023
Gameathon — *Remote*
- Integrated Razorpay and Stripe payment gateways into a multi-faceted system.
- Implemented e-commerce functionalities including discount codes and shopping carts.
- Integrated Firebase for authentication and executed a game request feature.

PROJECTS

AIKO: AI-powered Knowledge Organizer (aiko.parapalli.dev) — Jun 2024 — Present
- Developed an AI-powered knowledge organizer to streamline information retrieval and organization.
- Engineered a custom NLP pipeline for content embedding, supporting major formats including text, images, and audio.
- Created a novel "single-file" plugin architecture, with full typing and autocomplete support.
- Created and maintained all project documentation, conducted unit, end-to-end and user acceptance testing for the project.

ARA: AI Research Assistant (ara.parapalli.dev) — Jan 2024 — May 2024
- Led the development of an AI-powered application to streamline academic research.
- Engineered custom LLM flow for content summarization and text generation, achieving 80% faster mean response times.
- 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
- Created a customizable scraping application that scrapes the rtmnuresults.org site, including SGPA and Pass/Fail.
- Implemented state management and state sync between the browser context and application context.
- Added functionality to haveCollege-wise, University-wise rank lists as well as checkpoint-based error recovery.

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

- **Programming Languages:** Python, C/C++, JavaScript, TypeScript, Rust, SQL, Dockerfile, Bash, PowerShell
- **Web Technologies:** React, Next.js, Svelte, Node.js, Express.js, Django, FastAPI, TailwindCSS, Vite, Firebase
- **Databases:** PostgreSQL, MongoDB, SQLite, Supabase, Firestore, Redis, FaunaDB
- **AI / ML:** Natural Language Processing, Deep Learning, Generative AI, Large Language Models, PyTorch
- **Cloud & DevOps:** Docker, Docker Compose, AWS, GCP, Serverless, CI/CD, Terraform, Git, Linux, NGINX
- **Other:** WebGL, Three.js, Arduino, ESP32, Raspberry Pi, Robotics Programming, RESTful API, SOAP, Web Scraping.
- **Awards:** World Robotics Olympiad Runner-up (2017), Regional Finalist TechWiz 2018 and 2019, SIH'23 Finalist
- **Interests:** Amateur Robotics, Hobby Rocketry, Open Source Contribution, eSports, Sci-Fi Literature