Devansh **Parapalli**

COMPUTER SCIENCE STUDENT · WEB AND SYSTEMS DEVELOPER

401, Akshay Heights III, Bharat Nagar, Amravati Road, Nagpur, Maharashtra, India - 440001

📱 (+91) 8793150182 | ✉ hey@parapalli.dev | 🏠 parapalli.dev | DevParapalli | in devparapalli

"Innovative Computer Science student and Web Developer with a passion for AI and machine learning. Experienced in full-stack development, with a track record of creating efficient, user-friendly applications. Strong leadership skills demonstrated through various extracurricular roles."

Education

Government College of Engineering, Nagpur   *Nagpur, Maharashtra*

B.TECH. IN COMPUTER SCIENCE & ENGINEERING | CGPA: 8.28 / 10   *Jun 2021 – Present*

G. H. Raisoni Vidyanekatan   *Nagpur*

12TH STANDARD | CBSE | PERCENTAGE: 85 / 100   *Apr 2019 - Mar 2021*

Experience

PolymathAI   *Nagpur, Maharashtra, India*

SOFTWARE ENGINEER INTERN   *Jun 2024 – Present*

- Creating AI-powered web application, increasing content organziation efficiency by 40% through integration of NLP, LLMs, and machine learning.
- Leading the development of full-stack applications and web extensions using MERN stack and Next.js
- Implementing AI models to enhance product functionality and user experience
- Collaborating with the founding team on feature development spanning web and AI components

Gameathon   *Remote*

SOFTWARE ENGINEERING INTERN   *Mar 2023 – Apr 2023*

- Integrated Razorpay and Stripe payment gateways, reducing checkout friction by 80% and increasing user conversion by 35%
- Implemented e-commerce functionalities including discount codes and shopping carts, increasing user retention by 20%
- Integrated Firebase for authentication and executed a game request feature

Projects

ARA: AI-powered Research Assistant   *Govt. College of Engg., Nagpur*

COLLEGE MINI-PROJECT   *Jan 2024 – May 2024*

- Led the development of an AI-powered application to streamline academic research, reducing research time by 30% for a test group of 50 students.
- Engineered custom LLM flow for content summarization and text generation, achieving 80% faster mean response times compared to industry benchmarks.
- Designed and implemented a scalable data storage system using PostgreSQL and Supabase, supporting real-time synchronization for collaborative research.
- Optimized core functionality by re-implementing LangChain in pure Python, further reducing response time by 50%.
- Link : *https://ara.parapalli.dev*

Adhyaaya'23   *Govt. College of Engg., Nagpur*

WEB APPLICATION FOR COLLEGE TECH-FEST   *Dec 2022 – Mar 2023*

- Spearheaded the development of a full-stack web application for the college techfest, increasing event registration efficiency by 70%.
- Integrated Razorpay payment gateway, reducing checkout friction by 65% and increasing successful registrations by 40%.
- Engineered the front-end using Svelte, SvelteKit, Three.js, and TailwindCSS, achieving a 40% improvement in page load times.
- Designed and implemented a robust database schema using Supabase, optimizing query performance by 55%.
- Developed backend services using Deno and Python, handling concurrent requests while still keeping the max Time-To-First-Byte of 0.13s.
- Link : *https://adhyaaya23.parapalli.dev*

Synergy 2022   *Govt. College of Engg., Nagpur*

WEB APPLICATION FOR DEPARTMENTAL TECH-FEST   *Sep 2022 - Oct 2023*

- Developed a web application for the departmental tech-fest, streamlining event management and increasing participant engagement by 50%.
- Implemented a custom payment flow using CashFree payment gateway, resulting in a 75% reduction in payment-related issues.
- Created a responsive front-end using Svelte, SvelteKit, and TailwindCSS, improving mobile user experience and increasing mobile registrations by 60%.
- Designed an efficient database schema using Supabase, reducing data retrieval time by 40% compared to the previous year's system.
- Utilized Vercel for deployment, reducing deployment time by 50% and ensuring 99.9% uptime during the event.
- Link : *https://synergy22.parapalli.dev*

MISCELLANEOUS PROJECTS

- ChromeExtension0 : A small chrome extension to quickly save and access those saved pages.
  https://github.com/DevParapalli/ChromeExtension0
- Adhyaaya'23 Coming Soon : A engaging coming soon landing page for tech fest.
  https://adhyaaya23-coming-soon.parapalli.dev
- Miscellaneous 1 : a 30 minute UI-challenge made with SvelteKit
  https://misc1.parapalli.dev
- Adhyaaya'22 : Innovative User Experience, written in Svelte
  https://adhyaaya22.parapalli.dev

Skills

Programming Languages	Python, C/C++, JavaScript/TypeScript, Rust, SQL, Java, Shell Scripting
Web Technologies	React, Svelte, Next.js, Node.js, Django, FastAPI, HTML/CSS, RESTful APIs
AI & ML	NLP, Machine Learning, Deep Learning, LLMs, PyTorch, TensorFlow
Cloud & DevOps	Docker, AWS, GCP, Firebase, Supabase, CI/CD, Kubernetes, Terraform
Other	Git, Linux, WebGL, Three.js, IoT (Arduino, ESP32, Raspberry Pi), Robotics
Soft Skills	Leadership, Team Collaboration, Problem-solving, Time Management, Communication

Leadership & Extracurricular Activities

Computer Science Student's Association (COMSA) — *Govt. College of Engg., Nagpur*
Vice President — *Sep 2023 – Present*

Institution's Innovation Council (IIC 5.0) — *Govt. College of Engg., Nagpur*
Co-Head Student Coordinator & Innovation Coordinator — *Sep 2022 – Aug 2023*

Student Welfare Committee (SWC)/Gymkhana — *Govt. College of Engg., Nagpur*
Technical Head — *Sep 2022 – Aug 2023*

Google Developer Student Club — *Govt. College of Engg., Nagpur*
Technical Co-Lead — *Aug 2022 – Jul 2023*

Publications

Author — *ResearchGate*
ARA: Artificial Intelligence powered Research Assistant — *Apr 2024*

- Authored a paper introducing ARA, an innovative AI application designed to revolutionize academic research
- Detailed methodology, implementation, evaluation results, and discussed ethical considerations
- DOI: *10.13140/RG.2.2.28162.90567/1*

Honors & Awards

Technical Competitions

2023	**Finalist**, Smart India Hackathon	*India*
2018	**Regional Finalist**, TCS ITWiz	*Nagpur, India*
2017	**Regional Finalist**, TCS ITWiz	*Nagpur, India*
2017	**2nd Place**, World Robotics Olympiad - Open Category	*Abu Dhabi, UAE*

Academic Achievements

2024	**Winner**, IDE Bootcamp organized under AICTE for SIH Finalists	*India*

Community Contributions

2020	**Contributor**, GitHub Archive Program	*Global*
2020	**Contributor**, Modi-Script Open Source Project	*GitHub*

Certifications

Fundamentals of Accelerated Computing with CUDA C/C — *NVIDIA*
Certificate ID : 4FSGnu7QTPQoYVYAZHLiUw — *Jul 2024*