

Devansh Parapalli

COMPUTER SCIENCE STUDENT · WEB AND SYSTEMS DEVELOPER

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Education

Government College of Engineering, Nagpur

B.TECH. IN COMPUTER SCIENCE & ENGINEERING | CGPA: 8.28 / 10

Nagpur, Maharashtra

Jun 2021 -- Present

G. H. Raison Vidyanekatan

12TH STANDARD | CBSE | PERCENTAGE: 85 / 100

Nagpur

Apr 2019 - Mar 2021

Experience

Software Engineer Intern

POLYMATHAI

Nagpur, Maharashtra, India

Jun 2024 -- Present

- Creating AI-powered web application, increasing content organization 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

Software Engineering Intern

GAMEATHON

Remote

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

COLLEGE MINI-PROJECT

Govt. College of Engg., Nagpur

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

WEB APPLICATION FOR COLLEGE TECH-FEST

Govt. College of Engg., Nagpur

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>

Miscellaneous Projects

- Adhyaaya'22: Innovative User Experience, written in Svelte
Link: <https://adhyaaya22.parapalli.dev>
- Synergy'22: Departmental Tech-Fest, written in Svelte
Link: <https://synergy22.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

Extracurricular Activities

Vice President	Govt. College of Engg., Nagpur
COMPUTER SCIENCE STUDENT'S ASSOCIATION (COMSA)	Sep 2023 -- Present
Co-Head Student Coordinator & Innovation Coordinator	Govt. College of Engg., Nagpur
INSTITUTION'S INNOVATION COUNCIL (IIC 5.0)	Sep 2022 -- Aug 2023
Technical Head	Govt. College of Engg., Nagpur
STUDENT WELFARE COMMITTEE (SWC)/GYMKHANA	Sep 2022 -- Aug 2023
Technical Co-Lead	Govt. College of Engg., Nagpur
GOOGLE DEVELOPER STUDENT CLUB	Aug 2022 -- Jul 2023

Publications

ARA: Artificial Intelligence powered Research Assistant	ResearchGate
AUTHOR	Apr 2024
<ul style="list-style-type: none">• 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	

Awards

Technical Competitions	
Smart India Hackathon	India
FINALIST	2023
World Robotics Olympiad - Open Category	Abu Dhabi, UAE
2ND PLACE	2017
Academic Achievements	
IDE Bootcamp organized under AICTE for SIH Finalists	India
WINNER	2024
Community Contributions	
GitHub Archive Program	Global
CONTRIBUTOR	2020
Modi-Script Open Source Project	GitHub
CONTRIBUTOR	2020

Certifications

Fundamentals of Accelerated Computing with CUDA C/C	NVIDIA
CERTIFICATE ID: 4FSGNU7QTPQoYVYZHLiUw	Jul 2024