

# 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 Engineering Intern

POLYMATHAI

Nagpur, Maharashtra, India

Jun 2024 -- Aug 2024

- 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
- Developed a robust content scraping framework, capable of ingesting multiple data formats.
- 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

### AIKO: AI-powered Knowledge Organizer

COLLEGE MEGA-PROJECT

Govt. College of Engg., Nagpur

June 2024 -- Ongoing

- Developed an AI-powered knowledge organizer to streamline information retrieval and organization, reducing time spent on information retrieval by 75%.
- Engineered a custom NLP pipeline for content embedding, supporting major formats including text, images, and audio. Reengineered the LLM connection to reduce the response time by 85%.
- Implemented a serverless data storage platform using Amazon S3, PostgreSQL and Supabase.
- Conducted Unit, End-to-End, Verification and Validation, Acceptance and User Testing, resulting in a 90% satisfaction rate and a 80% increase in user productivity.
- Created and maintained documentation for the project, ensuring seamless onboarding for new team members.
- Link: <https://aiko.parapalli.dev>

### 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>

Miscellaneous Projects

- AutomaticResults: Developed an automated web scraping tool using Python to extract student results from university portal, parse PDF admit cards, and generate rankings for 100+ students with 100% accuracy.
- Adhyaaya'23: Fast, Modern Website created for Adhyaaya'23, a college tech fest.  
Link: <https://adhyaaya23.parapalli.dev>
- 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

Languages	Python, C/C++, JavaScript/TypeScript, Rust, SQL, Shell Scripting
Web Technologies	React, Svelte, Next.js, Node.js, Django, FastAPI, HTML/CSS, RESTful APIs, Web Scraping
AI & ML	NLP, Machine Learning, Deep Learning, Generative AI, PyTorch, Large Language Models
Cloud & DevOps	Docker/Docker-Compose, AWS, GCP, Firebase, Supabase, CI/CD, Terraform
Other	Git, Linux, WebGL, Three.js, IoT (Arduino, ESP32, Raspberry Pi), Robotics Programming
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 -- August 2024
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

Awards

Technical Competitions

Smart India Hackathon	India
FINALIST	2023

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: 4FSGNu7QTPQoYVYAZHLiUw	Jul 2024