

# 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
- 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

- 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, 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 -- 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

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: 4FSGNU7QTPQoYVYAZHLiUw	Jul 2024