

# Anurag V

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## Profile Summary

Approaching software development with curiosity and a focus on real-world usability, emphasizing clean, maintainable code. Experienced in Python, Git, Flutter, and full-stack development, with contributions to projects ranging from system tools to cross-platform apps using React, Node.js, Django, Firebase, and Rust. Skilled at tackling complex challenges, adapting quickly, and delivering thoughtful, reliable solutions. Committed to clarity, consistency, and continuous improvement in both solo and team environments.

## Education

<b>Master of Computer Applications (CGPA: 9.44)</b> Mar Athanasius College Of Engineering, Kerala	August 2024 - May 2026
<b>Bachelor of Science in Computer Science (CGPA: 8.43)</b> NSS College Ottapalam, Calicut University	June 2021 - May 2024
<b>Higher Secondary Education - Computer Science (97.58%)</b> KHSS Kannadi, Kerala	July 2019 - April 2021
<b>Secondary Education - State (95%)</b> Government Vocational Higher Secondary School Thiruvilwamala, Kerala	May 2019

## Technical Skills

Category	Skills
Programming Languages	Python, Java, C, Rust, C++, Dart
Web Technologies	Node.js, Express, React, JavaScript, Bootstrap, TS, HTML, CSS, PHP
Data Science & AI	Pandas, NumPy, Scikit-learn, Matplotlib, LLMs, Generative AI
Databases & Tools	MongoDB, MySQL, Firebase, Supabase, VS Code, GitHub, Flutter
Security	JWT, CORS, HTTPS, SSL
Soft Skills	Conflict Resolution, Teamwork, Troubleshooting, Project Management

## Deployed Project

<b>Takshak Event Registration Website</b>	September 2024
<ul style="list-style-type: none"><li>UI Developer for Takshak's live registration website by MA College of Engineering.</li><li>Built a responsive interface with secure payments and admin dashboard.</li><li>Detected and handled a SQL injection attempt, ensuring system security.</li></ul>	

## Professional Experience

<b>Young Innovators Program Intern, KDISC</b>	December 2023 - March 2024
<ul style="list-style-type: none"><li>Coordinated statewide innovation outreach across schools and colleges under the Young Innovators Program.</li><li>Delivered orientation sessions to nurture problem-solving and creative thinking among students.</li><li>Developed strong organizational and communication skills through active collaboration with educators and field teams.</li></ul>	

- Built and evaluated predictive models using linear regression, logistic regression, decision trees, and random forests.
- Applied core data science concepts to real-world problems, enhancing practical understanding of model selection, evaluation, and feature engineering.
- Collaborated within a cross-functional team, contributing to project pipelines using Python and machine learning frameworks.

## Key Projects

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### RUST Project

#### TurboXplorer: File Explorer using Tauri

[GitHub](#)

- Developed a File Explorer in Rust using Tauri framework that can replace traditional File Explorers
- Utilized TAO and WRY for managing application windows and interfacing with the webview
- Achieved 87% faster than Windows File Explorer in searching and 64% faster than MAC File Explorer

### Java + Flutter Project

#### Steganography Application

[GitHub](#)

- Built a Steganography application with Java backend in Flutter supporting Image in Image, Text in Image and Video in Image hiding
- Utilized LZ4 algorithm for optimized compression and LSB encoding algorithm for payload hiding
- Integrated Peer to Peer chatting using Flutter P2P package

### React + Node.js Project

#### Campus Cart

[GitHub](#)

- Created an e-commerce website using React and Node.js enabling students to buy and sell items within campus
- Used MySQL for backend data handling

## Publications

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### AI-Driven Community Decision-Making Platforms

November 2024

Presented an AI-driven platform for real-time public engagement to support urban planning at the ICSSR-funded National Conference on Big Data Analysis, MES College Marampally.

## Professional Development

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### Events and Webinars

- AI Summit – Google Accelerate-X
- Cybersecurity Workshop – YHills
- AI Bootcamp – Google & Hack2skill
- IoT Workshop – Dept. of CA, MACE

### Professional Certifications

- Rust Developer Certification – NCVET
- Blockchain and Applications – NPTEL
- Prompt Engineering Workshop – YouData.ai
- AI Builders Bootcamp – Google for Developers & Hack2skill

## Leadership and Recognition

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### Positions of Responsibility

- Tech Club Leader – Organized 50+ events.
- Coordinator, YIP (K-DISC) – Mentored teams, ran awareness sessions.
- Volunteer, Takshak – Organized & coordinated the Prompt Designing competition.

### Honors & Awards

- 1st – Word Hunt, Nirmala College
- 1st – Coding , NSS College Ottapalam
- Selected – District Level, YIP by K-DISC
- 1st – Tech Quiz, NSS College Ottapalam