

# ADITYA KUMAR

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## EDUCATION

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### Bachelor Of Technology in Mechatronics Engineering with specialization in Robotics

2021 - 2025

SRM Institute of Science And Technology  
CGPA: 8.34

## SKILLS

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|-----------------------|---|
| Programming Languages | Python, Kotlin, Java, MySQL, HTML, CSS                                      |
| Soft Skills           | Collaborative Synergy, Time Management, Team-work, Multitasking, Innovative |
| Tools                 | Pandas, Scikit-Learn, MS-Excel, Jupyter Notebook, Figma, Matlab             |
| Spoken Language       | English, Hindi, Malayalam   |

## EXPERIENCE

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### Backend Developer Intern

Star Pine Auto Parts LLC

Sep 2024 - Dec 2024  
*Remote, Virginia, USA*

- Developed 5+ RESTful APIs using FastAPI, reducing response times by 30% through query optimization.
- Optimized MongoDB schemas, reducing query execution time by 40% and improving data retrieval efficiency.
- Integrated third-party inventory management services, automated order processing, and reduction of manual workload.
- Implemented JWT-based authentication and role-based access control, enhancing system security.
- Wrote 50+ unit and integration tests, achieving 90%+ test coverage for backend stability.

### Flutter Developer Intern

Ociuz Infotech

Aug 2023 - Sep 2023  
*Chennai, Tamil Nadu*

- Worked in a team to build a steganography flutter app, integrating a Convolutional Neural Network (CNN) AI model via api for encrypting text within images

### Technical Member

Google Developer Student Clubs

Oct 2022 - Present  
*Chennai, Tamil Nadu*

- Collaboratively engineered event management mobile app for 1000+ attendees, validated at a club event with 250+ attendees, reducing registration time by 30%.
- Gained team working, time management and initiative skills.

## PROJECTS

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**Dynamic Web Blocker.** Designed and developed a network monitoring software with firewall capabilities to efficiently block websites by keywords and enforce access restrictions, resulting in a 20% productivity increase.

**Puppet.** Implemented a peer-to-peer connection system in an Android app, enabling remote command execution and file access between mobile devices and computers.

**Dnd portal app.** Collaboratively designed and developed an event attendance app with an intuitive interface, enabling admins to mark participant attendance and log entry/exit times. Integrated RESTful APIs for real-time data synchronization

**Backpackk** An advanced web based AI travel planner that generates itineraries based on user preferences. [Backpackk](#)

## CERTIFICATIONS

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- Google cloud study jam - Google cloud skills boost
- Introduction to Robotics - IIT Madras
- Machine Learning Specialization - Stanford - Coursera ( Pursuing )
- Data Analytics - Trainity (Pursuing)

## ACHIEVEMENTS

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- Placed in the top 15 teams in university at the Smart India Hackathon 2022.
- Placed among the top 5 teams in Defence India Hackathon 2022.