

# MOHAN KUMAR S

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## Summary

As a **Computer Science** student at SDM IT Ujire, I am passionate about developing innovative software solutions that solve real-world problems. I have hands-on experience in full-stack development using technologies like React and Express, and a strong foundational understanding of Artificial Intelligence and Machine Learning. I continuously strive to enhance my skills and contribute to impactful projects that blend software engineering with intelligent systems. I am also an active collaborator in workshops and team projects, always eager to share knowledge and learn from others.

## Skills

Programming Languages - **JavaScript, Python.**

Frameworks & Libraries - **React.js, Express.js.**

Databases - **MongoDB, MySQL.**

Computer Science Fundamentals - **Operating Systems, Computer Networks, Data Structures & Algorithms, OOP's.**

## Projects

### Freelance E-commerce.

2025-08-04 – 2025-08-28

#### React.js, Node.js, Express.js, MongoDB

[Live Link](#)

- Built a full-stack e-commerce app with React, Express, and MongoDB for jersey sales.
- Implemented authentication, product management, and order tracking features.
- Designed a scalable SPA architecture for performance and future growth.

### SMS Spam Detection.

2025-02-21 - 2025-02-23

#### Machine Learning, Python, scikit Learn.

[Github](#)

- ML model that analyses the message is spam or ham.
- Used Python and machine learning libraries like scikit-learn.
- Applied basic text processing techniques to improve accuracy.

### Blog App.

2025-03-11 - 2025-03-17

#### React.js, Node.js, Express.js, MongoDB.

[Github](#)

- I built a simple Blog App where users can create, edit, and delete their own posts.
- Implemented user authentication for secure access.
- Designed a clean and user-friendly interface for easy content management.

### Splitify.

2023-08-13 - 2023-10-23

#### Android Studio, Java, XML.

[Github](#)

- Splitify is a simple app for tracking and splitting group expenses during trips.
- Allowed users to add expenses and automatically calculate individual shares.
- Made expense management easy and transparent among friends and family.

### Dynamic Text generation.

2025-01-12 - 2025-02-01

#### GPT Transformer, Python.

[Github](#) [Live Link](#)

- fine-tuned my first GPT-2 model for text generation
- Gained hands-on experience with NLP techniques and transformer architectures.
- Improved the model's ability to produce relevant and coherent text outputs.

## Education

### 10<sup>th</sup>/SSLC.

#### Morarji Desai Residential School, Bengaluru.

2020

- I completed my 10<sup>th</sup> grade in 2022 with a score of 88.32%. This strong academic foundation reflects my dedication and consistency from an early stage.

### 12<sup>th</sup>/PUC.

#### Morarji Desai Residential Science PU college, Mandya.

2020 - 2022

- I completed my PUC in PCMB with 92.5% in 2022, demonstrating a strong academic foundation in **science** and **mathematics**.

### Engineering.

#### SDM Institute of Technology, Ujire, Dhakshina Kannada.

2022 - Ongoing

- I'm currently in my 7th semester of Computer Science Engineering with a CGPA of 8.91. I've complemented my academics with hands-on projects and active participation in workshops.

## Certifications

**React.js** - Advanced skills in React.js for front-end development.

2024-10

**Career Edge** - Skills enhancement for career development.

2024-02

**Python Basics** - Fundamental knowledge of Python programming.

2024-01

**Android Development** - Knowledge in developing Android applications.

2023-11

## Achievements

### Hackathon - Farm Direct.

### **SDM Institute of Technology.**

2024-09

- Created a software named 'Farm Direct' that connects farmers to consumers directly.
- Simplified the supply chain to ensure fair pricing and better market access for farmers.
- Focused on improving transparency and efficiency in agricultural product delivery.

### **Hackathon - Hackathon - Farm Direct.**

#### **Alvas Institute of Technology**

2024-11

- Developed a comprehensive website for freelancers, catering to gig workers' needs
- Enabled users to create profiles, showcase skills, and apply for gigs easily.
- Aimed to streamline opportunity discovery and improve visibility for gig workers.

### **Competitive Programming.**

2025-04

#### **SDM Institute of Technology. By IS Dept.**

- Secured 1<sup>st</sup> rank among 50 participants at SDMIT, showcasing strong problem-solving and algorithmic skills.

## **Work Experience**

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### **SDM Polytechnique Ujire.**

#### **Assisted in a workshop.**

2025-07-12 - 2025-07-12

- Assisted in a **React workshop** organized by Sir Jayaprasad Gowda at SDM Polytechnic, where I also conducted a brief session for the final year students.
- It was a valuable learning experience!
- Conducted a **hands-on session** covering core React concepts and components.
- Enhanced teamwork and **communication skills** through collaborative teaching. learning.