

# AJITH P KUMAR

☎ +91-9717846794 ✉ [ajithpkumar231@gmail.com](mailto:ajithpkumar231@gmail.com) 🔗 [linkedin.com/in/ajith-p-kumar/](https://www.linkedin.com/in/ajith-p-kumar/) 🐙 [github.com/ajithpkumar18](https://github.com/ajithpkumar18)

## Education

### Lovely Professional University

*Masters in Computer Application, CGPA - 8.0*

**Aug 2022 – Aug 2024**

*Jalandhar, Punjab*

### Shyam Lal College

*Bachelor of Arts Program (Computer Application), CGPA - 7.0*

**Aug 2019 – Aug 2022**

*Shahdara, New Delhi*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Operating System
- Data Analysis
- OOPS Concepts
- Database Management
- Computer Architecture
- Data Science

## Experience

### Springrole India Pvt. Ltd.

**Jan 2025 - Apr 2025**

Case Analysis Apprenticeship

- Support the operations team in day-to-day activities, which may include case analysis, document verification, and database management.
- Assist in conducting background verification checks for our clients, ensuring accuracy and compliance with company policies.
- Contribute ideas for process improvement and optimization. Complete assigned tasks and projects within specified deadlines with a high level of accuracy and attention to detail

### Infosys Springboard Pvt. Ltd.

**Oct 2024 - Dec 2024**

AI Intern

- Engineered a **Python** based face recognition login system achieving 90% accuracy in user authentication.
- Architected and deployed a full-stack web application with Flask, successfully integrating facial recognition for user registration and authentication
- Implemented **SQLite** database management, optimizing storage of 500+ facial encodings with a 30% improvement in data retrieval efficiency.

### Bot Digital Solutions Pvt. Ltd.

**May 2024 - Aug 2024**

Intern System Architect

- Architected and deployed secure, scalable web applications on **Hostinger and Netlify**, configuring domain names, subdomains, and **MySQL** databases for optimal performance.
- Leveraged **Linux and FTP expertise** to securely transfer files via SFTP, configuring CPANEL FTP accounts to ensure data integrity and access control.

### Spade Pvt. Ltd.

**Apr 2021 - Jun 2021**

Web Development Intern

- Gained hands-on experience in developing frontend using React.js and Bootstrap, while engineering back-end systems with Node.js and Express.js, boosting system performance by **25%** and increasing user retention by **20%**.
- Partnered with the design team to ensure cohesive application of modern design principles.

## Projects

### Second Brain App - Personal Knowledge Management: ReactJS, Typescript, Flask, Material UI, MongoDB **Oct 2024 - Nov 2024**

- Engineered an app to display content as dynamic cards with titles, details, and thumbnails, storing and organizing Youtube videos and Twitter tweets.
- Successfully integrated JSON Web Token (JWT) and Cookie Parser for seamless user sessions, Zod for schema validation, ensuring data integrity and type safety.
- Direct navigation by making each card a clickable link, providing instant access to videos and tweets. Implemented MongoDB database management for scalable storage of 500+ users with a 30% improvement in data retrieval efficiency

**HubSpot - Hotel booking webapp:** React.js, jsonwebtoken, zod, mongoDB, Node.js, Express.js

**Apr 2024 - May 2024**

- Developed a global hotel booking app with date and time selection functionality using the MERN stack
- Integrated JSON Web Token (JWT) for secure and stateless user authentication
- Designed and implemented MongoDB Aggregation Pipelines to perform complex data transformations and aggregations, enhancing data retrieval efficiency
- Utilised cookie-parser library for facilitating secure user authentication and session management using cookies.

**Trash-ure Map:** React.js, Bootstrap, Python, Flask, Numpy, Pandas, Tensorflow, SQL

**Jul 2022 - Aug 2022**

- Designed a social media platform using React.js, bootstrap to tackle environmental issues through crowdsourced data on non-biodegradable waste
- Utilized CNN for image classification, VGG16 pre-trained model to increase accuracy and reduce training time
- Visualized data in an interactive map, resulting in a 50% increase in waste management efficiency and accountability

## Technical Skills

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**Languages:** HTML5, CSS, JavaScript, C++, Python

**Technologies/Frameworks:** Git, Github, Docker, React.js, Express.js, Node.js, REST API, Linux, TensorFlow, Bootstrap, Bash, MongoDB, SQL, VS Code, Postman, Firebase

## Achievements

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- Ranked 2nd in DataDayGrind III Hackathon 2022 Conducted by MLH
- Performer of the week SPADE Pvt.Ltd.