Vivek Kumar Singh

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Programming Skills

Languages: Java, DSA, OOPs, Python, HTML, CSS, Javascript, MySQL.

Tools/Technologies: Spring Boot, RESTful API, Git, Github, Postman, SDLC, Canva.

IDE: Eclipse, IntelliJ Idea, VS Code, Jupyter Notebook.

Soft Skills: Problem Solving, Quick Learning, Critical Thinking, Teamwork.

Education

MIT Academy of Engineering, Pune   Jul 2021 – May 2025
- B-Tech | Engineering | **CGPA: 7.65**

Jawahar Navodaya Vidyalaya, Chandrapur   Aug 2020 – May 2021
- 12th | CBSE | Computer Science | **Percentage: 86.80 %**

Experience

Future Training – FUEL Business School   Jan 2024 – Jun 2024
Java Fullstack Trainee
- **key skills**: *Java*, *OOPs*, *MySQL*, *JDBC*, *Spring*.
- The program provided extensive hands-on experience in developing dynamic web applications and managing databases.
- Developed a simple web application for video streaming using React.js and Spring Boot.
- Managed database using MySQL to ensure robust and scalable data storage solutions.

Projects

ContactVault: Smart Contact Manager   [Code Link]
- **Tools Used**: *Java*, *Spring Boot*, *MySQL*, *Mail API*.
- Developed a scalable and responsive web application for contact management.
- Implemented CRUD operations, user authentication with email verification, and pagination for better performance.
- Integrated OAuth2-based login with Google and GitHub, enhancing security and user convenience.
- Added contact search functionality (by name, email, and phone number).
- Enabled exporting contacts to Excel and integrated light/dark mode for an enhanced user experience.

BakBak: Real Time Chat-App   [Code Link]
- **Tools Used**: *Java*, *SpringBoot*, *MongoDB*, *React.js*, *Java Web-Socket*.
- Designed a scalable chat app with instant messaging and multi-user communication.
- Built an interactive UI with real-time, low-latency messaging and efficient data storage.
- Users can create or join chat rooms using a passkey.

SecureVault: Encryption and Decryption   [Code Link]
- **Tools Used**: *Python*, *Tkinter*, *Cyber-Security(DES Algorithm)*.
- Developed a user-friendly application using Python and Tkinter for encrypting and decrypting text or files with customizable DES encryption keys.
- Implemented the DES algorithm to enhance data security and provided an intuitive GUI for seamless user interaction.

Certifications

Introduction to Machine Learning, IIT Madras [Certificate]   Aug 2024 - Nov 2024
- NPTEL 12-week course provided by IIT Madras.

Cyber Security, EduSkills [Certificate]   Apr 2024 - Jun 2024
- AICTE 10-week training provided by Paloalto.