Saurabh Dhananjay Shinde

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Software Developer

Detail-oriented and highly motivated Software Developer with 2+ years of combined experience in software development, data science education, and IT operations. Proficient in Java, Python, and C, with hands-on expertise in web technologies, data visualization, and backend development. Strong background in academic teaching and team leadership, having served as an Assistant Professor and Operational Manager, alongside industry experience as a Jr. Software Developer.

Skilled in developing scalable web applications using Java, Node.js, HTML, CSS, JavaScript, and ReactJS, with experience in Firebase, MySQL, MongoDB, and Power BI. Passionate about solving real-world problems through data-driven insights and software innovation.

Known for quick learning, cross-functional collaboration, and a strong foundation in OOP principles and software lifecycle practices. Currently pursuing M. Tech in Computer Science and Engineering, with a continuous drive for learning and applying emerging technologies in impactful ways.

Key Skills

Team Player | Strong Programming Knowledge | English Communication | Cross Functional Collaboration | Quick Learner

Education and Professional Development

M. Tech (Computer Science and Engineering) | D.Y. Patil College of Engineering | 2025 – Pursuing

B. Tech (Computer Science and Engineering) | DIET, Satara | 2018 - 2022

12th HSC (Science) | YCIS, Satara | 2018

10th SSC (State Board) | AKV, Satara | 2016

Technical Skill

Programming Languages: Python, Java, and C.
Data Analysis and Visualization: Power BI, Tableau, Python (Pandas, NumPy, Matplotlib)
Databases – PGSQL, MySQL, MongoDB
Web Technologies: HTML, CSS, JavaScript, PHP, Node.js, Express.js

Professional Experience

Operational Manager | YCIS Data and Technology Center | 1 Year Experience

- Managed daily operations of the institution, ensuring smooth administrative and academic workflows.
- Coordinated with faculty, staff, and students to enhance operational efficiency.
- Implemented processes to improve productivity and organizational performance.
- Supervised teams and delegated responsibilities to achieve institutional goals.
- Handled Proxmox OS for virtualization and server management.
- Managed deployment and maintenance of web applications, including Node.js, PHP, and WordPress.

Assistant Professor | Yashavantrao Chavan Institute of Science, Satara | 2 Year Experience

- 2 Years of Experience in Data Science Department
- Taught courses on data science, including Python, Power BI, and SQL.
- Developed and enhanced course materials to stay current with industry advancements and trends.

Jr. Software Developer | Agroson Alliance LLP | 1 Year Experience

- 1 Year of Experience in Agroson Alliance LLP as Jr. Software Developer.
- Collaborate with senior developers to design, develop, and maintain scalable web applications.
- Version control systems, particularly Git, for collaboration and version management.
- Proficiency in HTML, CSS, JavaScript, and familiarity with front-end frameworks like ReactJS

Projects

Data Analysis: Exploratory Data Analysis on Sales Data

Perform Exploratory Data Analysis (EDA) on sales data to gain insights into trends, patterns, and relationships

- Objective: Perform Exploratory Data Analysis (EDA) on sales data using Python to gain insights into trends, patterns, and relationships, and use Power BI for data visualization.
- Data Preparation: Gather and clean sales data by handling missing values, removing duplicates, and correcting errors.
- Analysis and Statistics: Use Python to calculate descriptive statistics (mean, median, mode, standard deviation) and examine correlations and interactions between variables.
- Visualization and Insights: Create visualizations in Power BI to identify trends, detect anomalies, and formulate hypotheses for further analysis.

CACTUS - MENTAL WELLNESS AND DAILY HEALTH JOURNAL

Academic Project

Develop an application which Keeps Track for Physical and Mental Health

- Backend Development - Implemented robust backend services using Kotlin for handling application logic and data processing.
- Frontend Development: Designed and developed user interfaces using XML, ensuring an intuitive and user-friendly experience.
- Database Management: Utilized Firebase for real-time data storage and synchronization, providing secure and scalable database solutions.
- User Authentication: Integrated Firebase Authentication for secure user registration, login, and management, ensuring data privacy and security.

Achievements

- Delivered a guest lecture on "Big Data Technology" at Yashoda Technical Campus, sharing insights on data processing frameworks, analytics, and industry applications with students and faculty.
- Conducted an extension activity on Data Science Awareness at Kanya School, Satara, aimed at introducing school students to foundational concepts in data science, its real-world applications, and career opportunities in the field.
- Conducting a workshop on Database Management for Computer Science optional students, covering practical and theoretical knowledge of MySQL and MongoDB databases, including their structure, queries, and real-world applications.

Certifications

- Android App Development (Internshala Course)

- Data Science (Internshala Course)

- Machine Learning (Internshala Course)

- Crowd Testing (FIRECROWD)

- Machine Learning (NPTEL Course)