

TATHAGAT KOUSHIK

Pune, Maharashtra, India

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Education

Bharati Vidyapeeth College of Engineering, Pune <i>Bachelor of Technology in Computer Engineering</i>	08/2020 – 06/2024 CGPA : 9.58
C.M College, Bounsi <i>Class XII (BSEB)</i>	04/2019 – 03/2020 Percentage : 71.8%
Holy Cross Public School, Muzaffarpur <i>Class X (CBSE)</i>	04/2016 – 03/2017 CGPA : 10

Area of Expertise

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Work Experience

Oasis InfoByte <i>Data Analytics Intern</i>	06/2023 – 08/2023 Remote
<ul style="list-style-type: none">• Contributed to the development of reports and portfolios by utilizing tools such as Ms Excel, Tableau and Power Bi.• Analyzed statistics and visualization tools to optimize processes, identify trends, and enhance efficiency by 35%.• Orchestrated a process re-engineering project to improve and consolidate end-to-end service processes and restructured communication flow among 4 departments and reduced paperwork by 75%	

Academic Projects

Stock Price Prediction Model <i>Python, Numpy, Pandas, Matplotlib, Machine Learning</i>	01/2023
<ul style="list-style-type: none">• Accomplished 93% accuracy by implementing machine learning algorithms and statistical analysis, significantly improving predictive capabilities.• Conducted extensive preprocessing and feature engineering, resulting in a 18% reduction in prediction errors.• Applied advanced techniques like regression analysis and time series analysis, reducing model training time by 36%.• Implemented the model using Python and key libraries, reducing development time by 39% and ensuring scalability.• Regularly updated the model based on market trends, maintaining a 93% accuracy rate and contributing to better risk management and decision-making processes.	
Decentralized Voting System Using Blockchain <i>Node.js, Metamask, Ganache, Python, FastAPI, MySQL</i>	07/2023
<ul style="list-style-type: none">• Implemented secure voter authentication with JWT, enhancing efficiency by 25%.• Utilized Ethereum blockchain for transparent voting records, reducing data manipulation risks by 30%.• Constructed an admin panel for candidate management and result monitoring, cutting administrative overhead by 20%.• Formulated an intuitive UI for voter engagement, resulting in a 15% increase in user participation.	

Technical Skills

Languages: Python, Java, HTML, CSS, SQL.
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio.
Technologies/Frameworks: Linux, GitHub, WordPress.
Program Management: SDLC (Software Development Life Cycle), Resource Planning, MS Project.
Data Science: Machine Learning, Deep Learning, MS Excel, MS Power BI, NumPy, Pandas, Matplotlib.

Certifications

- Python Programming (Udemy)
- Java Programming (NIELIT Gorakhpur)
- Database Management System (NPTEL)
- Operating System (NPTEL)

Position of Responsibility

BVDUCOE Sports Club <i>President</i>	06/2023 – 06/2024
<ul style="list-style-type: none">• Supervised a team of over 10 members to collaboratively pursue objectives aimed at enhancing and promoting community service, sports, equipment, and fostering unity.• Co-led with Marketing teams, securing 10,000+ in fundraiser capital and organizing 5+ successful events.• Oversaw a 5-member executive board and conducted monthly meetings to monitor progress in critical facets of the sports event.	