

## SARTHAK KULKARNI

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## PROFILE SUMMARY

Passionate Software Engineer with hands-on experience in Azure, DevOps, Python, Artificial Intelligence, Machine Learning, Real-time Data Pipelines, Time Series Analysis, C++, and Web development. Over a year of experience across multiple roles, building a strong foundation in data and software engineering. Proven leadership in student associations, sports, and cultural events, balancing technical expertise with teamwork and creativity.

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## EDUCATION

### **SavitriBai Phule Pune University, Pune**

Zeal College of Engineering & Research

Bachelor of Computer Science Engineering (Honors in Data Science) | May 2024

### **Maharashtra State Board, Pune**

MTES Jr. College | May 2020 (Bifocal - Computer Science)

### **Dnyanaganga English Medium School | April 2018**

Cyber & Science Olympiad | Hindi Rashtrabhasha

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## WORK EXPERIENCE

### **Hexaware Technologies, Pune, India**

*Data Engineer* | August 2024 – Present

- Developed a Time Series Analysis project using PySpark SQL on Azure Databricks for trend and anomaly detection.
- Built an automated end-to-end real-time data pipeline using Azure Data Factory and Databricks for efficient data ingestion, transformation, and storage.

### **Growdigis IT Solution Pvt Ltd, Pune, India**

*Front-End Web Developer* | July 2023 – September 2023

- Developed multiple webpages with responsive UI and backend integration.
- Deployed a website for a service provider company to digitalize their services.

### **CodeClause, Pune, India**

*Data Science Intern* | April 2023 – May 2023

- Developed a Customer Segmentation Model using K-means for trend analysis.
- Created an AI-based Age & Gender Detection Model with data preprocessing and evaluation.

### **White Code Technology Solutions Pvt. Ltd, Pune, India**

*Trainee Software Developer* | September 2021 – December 2021

- Developed websites for educational institutions with responsive UI.
- Researched and developed Smart Contracts and NFT creation.

### **Younity.in, Delhi, India**

*Growth Ambassador Program* | June 2021 – July 2021

- Led a team of 15 interns, managing tasks and development strategies.
- Worked in business development and sales coordination.

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## **TECHNICAL SKILLS**

- **Programming & Data Science:** Python, C++, Java, SQL, Machine Learning, AI
- **Big Data & Cloud Technologies:** Microsoft Azure, Databricks, PySpark, Azure Data Factory
- **Web Development:** HTML, CSS, JavaScript, ReactJS, PHP, Bootstrap, MySQL
- **Tools & Platforms:** MS-SQL, Git, DevOps, Blockchain, Solidity

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## **PROJECTS**

### **Data Transform Using DataFactory Pipeline**

[GitHub Link](#)

- Deployed a data pipeline using Azure Data Factory, integrating Databricks for transformation and Azure Data Lake Storage Gen2 for storage.

### **Customer Segmentation System**

[GitHub Link](#)

- Built a customer segmentation model using K-means for better market insights.

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## **PUBLICATIONS & RESEARCH**

### **DizBoard: A Monitoring Dashboard Using Streamlit**

*IJSREM* | [Paper Link](#)

- Developed "DizBoard," an interactive dashboard for real-time data visualization and analytics.

## **A Survey on Machine Learning Algorithms for Risk-Controlled Algorithmic Trading**

IJSRST | [Paper Link](#)

- Explored ML techniques for risk-controlled algorithmic trading strategies.
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## **LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES**

### **Association of Computer Engineering Students**

*President*

- Organized university-level hackathons, technical and cultural events.

### **Zeal Cricket Club**

*Student Sports Coordinator*

- Led the college cricket team in tournaments, managing legalities and logistics.

### **Zeal Cultural Center**

*Acting Club Coordinator*

- Directed and performed in state-level drama competitions.
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## **CERTIFICATIONS**

- Python Data Structures & Algorithms ([Link](#))
  - Artificial Intelligence Foundation: Neural Networks ([Link](#))
  - Data Science Foundations: Fundamentals ([Link](#))
  - Learning Java ([Link](#))
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## **HOBBIES & INTERESTS**

- Data Science
  - Sports
  - Traveling
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## **LANGUAGES**

- English (Fluent), German (Basic), Hindi (Fluent), Marathi (Native)