

# AVOY SAIN

## Software Engineer | Full Stack developer

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## PROFESSIONAL SUMMARY

Experienced software engineer with a background in Computer Science. Demonstrated expertise in full-stack web development and database handling. Possesses 8 months of experience at a private company and 4 months of experience in freelancing in Robotic Process Automation (RPA) development. Highly focused on creating scalable and efficient solutions that streamline business processes.

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## WORK EXPERIENCE

### Python automation for cleaning company reports, Upwork

05 Mar 2025 - 19 Mar 2025

- Developed a Python automation script to process and clean all company reports based on predefined criteria.
- Automated reports cleaning, emailing and database storing, significantly reducing manual efforts by 90%. Technologies used - Python, MS Graph API, Postman, SharePoint, RPA development.

### Automation process to store PSTN calls, Upwork

23 Feb 2025 - 3 Mar 2025

- Utilized Power Automate to get records of PSTN calls from MS Graph API and to store all the records in a SharePoint database.
- Enabled medical teams to track the callers and log caller data, reducing unnoticed emergency calls to 0. Technologies used - Power Automate, MS Graph API, Postman.

### Medical service web-app for wildfire mitigation, Upwork

05 Jan 2025 - 24 Mar 2025

- Created a medical services web-app using React JS for a client which enhanced operational efficiency and eliminated system errors using API Integration.
- Deployed the app on Azure App service, achieving 100% uptime, and eliminating the need for offline maintenance. Technologies used - React JS, Azure SQL.

### Software Engineer Intern, SigiloTech | India

01 Apr 2024 - 28 Nov 2024

- Worked as a full stack developer to design and implement robust automation web-apps. Reduced manual work by 100% through automation using Power Platform tools and MS Azure services like Azure App service, Azure SQL etc.
  - Designed scalable web-apps for several small and large scale businesses, improving efficiency and delivery speed. Technologies used- PowerApps, Power Automate, SharePoint, MS Azure, Azure SQL service, MS Copilot Studio.
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## PROJECTS

### Dogecoin price prediction script

Sept 2025

- Designed Dogecoin price prediction script using Random Forest Regressor (Scikit-Learn) to forecast daily market closing prices and support data-driven trading decisions.
- Integrated CoinDesk API to fetch real-time data and feature engineering and accuracy tools to increase model accuracy. Technologies used - Random Forest Regressor, Python, Scikit-learn.

### Automatic attendance system using face recognition (Scientific journal)

Dec 2023

- Developed an automatic attendance system using Python face recognition library, which enhanced attendance tracking by removing manual errors from the system.
  - Link of the journal - <https://doi.org/10.32628/CSEIT2390617>. Technologies used - Python, OpenCV, Excel
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## EDUCATION

### B.Sc (Hons) Computer Science

Bidhan Chandra College Rishra, Calcutta University

CGPA : 7.4

2021 – 2025

### Higher Secondary

Bidhan Chandra College Rishra, Calcutta University

Percentage : 77.7

2019 – 2021

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## SKILLS

**Programming languages** - Python (Advanced), C, Azure SQL, MySQL, SQLite

**Web development** - Django, React JS, Tailwind CSS, Bootstrap, HTML, JavaScript, AJAX, RESTful API Integration

**Microsoft 365 & Power Platform** - Power Automate, PowerApps, SharePoint, Dataverse, Microsoft Copilot Studio

**Cloud platforms and API Integration** - MS Graph API, MS Azure, Coindesk API

**DevOps tools** - Postman, Docker, Containerization, Git, CI/CD Pipelines