


Satyaki Pal

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 [GitHub Profile](#)

 [LinkedIn Profile](#)

 [FrontendMentor Profile](#)

EDUCATION

• Academy of Technology, Adisaptagram

Dec 2020 - Jul 2024

B.Tech in Computer Science and Engineering

CGPA: 8.99

PERSONAL PROJECTS

• Telemedicine

HTML, CSS, JavaScript, PHP, SQL

A web-based platform for remote video consultations between doctors and patients.

May 2023 - Jan 2024

- Designed a telemedicine system enabling remote doctor consultations through video conferencing, aimed at improving healthcare access in underprivileged areas.
- Implemented comprehensive patient features including registration, appointment scheduling, medical report uploads, and e-prescriptions.
- Developed doctor functionalities for viewing patient reports, conducting virtual meetings, and issuing prescriptions in real-time.
- Built an admin dashboard to efficiently manage users, doctors, appointments, and system data with CRUD operations.

• Cataract Detection using Deep Learning

Python, TensorFlow, OpenCV

Built a deep learning model using VGG-19 to detect cataracts in fundus images.

Sep 2023 - Apr 2024

- Developed a deep learning model utilizing the VGG19 architecture to detect cataracts from eye images, achieving 90.56% validation accuracy and 84.25% test accuracy.
- Preprocessed and augmented a diverse dataset of healthy and cataract-affected images, improving model generalization and preventing overfitting.
- Implemented CNNs for feature extraction, with performance evaluated using confusion matrices and classification reports.

TECHNICAL SKILLS AND INTERESTS

• **Languages:** Java, JavaScript, SQL

• **Technologies:** React.js, HTML, CSS

• **Tools:** Git, GitHub, VSCode

• **Areas of Interest:** Web Design and Development

• **Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

EXPERIENCE

• Persistent Systems

Jul 2023 - Sep 2023

Martian Summer Intern

Online

- Engaged in a comprehensive mentoring program focused on core technologies including Java, Linux, Data Structures and Algorithms, and SQL.
- Completed assessments and exams to evaluate proficiency in learned skills.
- Gained valuable insights into the software industry and the demands of technical roles.

ACHIEVEMENTS

• **HackerRank:** Java 4-star

CERTIFICATIONS

• **Wipro TalentNext Java Full Stack**

Oct 2023

• **The Complete JavaScript Course (Udemy)**

May 2022

• **Build Responsive Real-World Websites with HTML and CSS (Udemy)**

Feb 2022