Supratik Chakraborty

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github.com/DeagleOfficial | Kolkata, India

EDUCATION

Maulana Abul Kalam Azad University of Technology   Jul 2019 - Jul 2023
Bachelors of Technology in Information Technology

- RCC Institute of Information Technology | 93.63%
- **Coursework:** Data Structures & Algorithms, Image Processing, DBMS, OOP, Computer Networking, Cyber security, Computer Organization & Architecture, Discrete Mathematics, Statistics, Multivariate Calculus, Compiler Design, Formal Language & Automata Theory

SKILLS & INTERESTS

- **Languages & Frameworks**: Java, JavaScript (ES7), Typescript, React JS, Bootstrap, Tailwind, Node JS, Flask, SQL, MongoDB, C, C++, Python, TensorFlow.
- **Platforms & Tools**: Google Cloud Platform, Docker, Git / GitHub, LaTeX, Markdown
- **Interests**: Open Source, Full Stack Development, Machine Learning, Blogging, Tennis, Music
- **Soft Skills**: Management, Presentation, Communication, Adaptability, Teamwork, Patience
- **Languages**: English, Hindi, Bengali, German

EXPERIENCE

Department of IT, RCCIIT   Oct 2021 - Present
Web Developer & AI Researcher   Kolkata, India
- Worked with a team of 4 developers on **"Iris Recognition for Automatic Transport Ticketing System"** under Prof. Dr.Hiranmoy Roy & Prof. Jayanti Das.
- **Ideated**, **prototyped**, and **demonstrated** a functional model and IoT-based prototype in 6 months using **RaspberryPi**.
- Learnt **production deployment**, **IAAS services**, and methods to **improve bio-metric model accuracy** & **performance**.
- Received **Incubation** & **Mentorship** from Department of IT, RCCIIT for duration of study.

PROJECTS

Threeares   Jul 2022 - Aug 2022
Online Platform for estimation of GHG emissions for construction of roads.   github/threeares-sih
- **Technology Stack**: React JS, Flask, Material UI
- Designed and developed full-stack solution with 5+ features for estimation of GHG emissions based on materials, equipment and routes for existing and prospective roads in India.

Twitter Clone   Jun 2022 - Jul 2022
A social media web application based on twitter   github/twitterclone
- **Technology Stack**: React JS, Bootstrap, Firebase
- Developed a social media web application based on twitter built with functionalities for CRUD operations on a NoSQL database (Firestore).

Oasis   May 2022 - Jun 2022
Full Stack Journal Writing Web Application   github/oasis
- **Technology Stack**: MongoDB, Express JS, React JS, Node JS (MERN Stack).
- Added 35+ lines of extensive documentation and detailed instructions for users & contributing developers.

Dermado   May 2021 - Sep 2021
Deep Learning for Skin Cancer Detection & Lesion Classification   github/dermado-app
- **Technology Stack**: React JS, Flask, TensorFlow, Heroku
- Collaborated with a team of 5 developers, optimized codebase & improved server response time.

POSITIONS OF RESPONSIBILITY

Google Developers   Jun 2021 - Jun 2022
Google Developer Student Clubs (GDSC) Lead   Kolkata, India
- Established community of **800+** developers, initiated **5+** community projects, mentored **10+** first year students & conducted **15+** webinars, workshops, coding jam sessions & hackathons.
- **Empowered 5+ students** from **unconventional** & **non-technical** backgrounds to start their developer journeys.

ACCOMPLISHMENTS

- Qualified for **Smart India Hackathon 2022** finals under Ministry of Rural Development, Govt. of India.
- Won the **Top Contributors award** from NeoAlgo for **Winter of Code 2020** by **GDSC NSEC**.
- Qualified **Facebook Hacker cup 2020** organized by **Meta Platforms Inc.** with a rank of **2865 / 13820** participants.
- Led a team of 5 developers to build a **Deep Learning solution** for Skin Cancer Detection and qualified to the **finals** of AGBI Digital HealthTech **International Hackathon 2020**.
- Worked with a team of 6 developers on an **IoT-based Med-Tech solution** for a warm-able patient mattress and won the **Young Innovator Award** at **Hack For India 2020**.