Spandan Basu

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EDUCATION

Techno Main Saltlake, Kolkata. B.Tech(CSE) — Jul 2019 - Jun 2023
Bachelors of Technology in Computer Science and Engineering — GPA: 9.3/10.0

EXPERIENCE

Hyland Software — August 2023 - Ongoing
R&D Software Developer — Kolkata, India

- **Brainware Intelligent Capture (BIC):** Developed new features and resolved legacy code issues for the Brainware for Transcripts team using **Angular, TypeScript, Java and WinWrap**. Contributed to the classification and sorting of data from structured, semistructured, and unstructured documents using various **Machine Learning Algorithms Technologies Used: Angular, SpringBoot, Hibernate, BootStrap, TypeScript, JavaScript, HTML, CSS Java, WinWrap, Git**
- **Solution Configuration Manager (SCM):** Worked on a web-based **.Net** application for administrators to manage and configure the Brainware Intelligent Capture database using **Both Relational and Non Relational Database management system** using **SQL, ORACLE** for Structured and **MongoDB** for **SemiStructured NoSQL and JSON** based data management. Assisted in developing core features to allow administrators to efficiently handle packaged solutions **Technologies Used: SpringBoot, Spring MVC, Hibernate, Java, C#, SQL, Oracle, MongoDB , JSON, XML, HTML, CSS, JavaScript**
- **CI/CD Processes:** Gained hands-on experience in continuous integration and delivery by using **Git**, **TFS**, and **Jenkins** to streamline development workflows and ensure smoother deployment processes

ARC Document Solutions — Jan 2023 - March 2023
QA, Test Automation, Internship — Kolkata, India

- **Automation using Selenium:** Developed and automated test cases for multiple products using **Java** and **Selenium**. Applied clean code methodologies and **SOLID** principles, explored various testing scenarios, and followed principles of the software development lifecycle (**Agile**) to enhance automation processes. **Technologies Used: Java, Selenium, Agile**

Hyland Software — May 2022 - Aug 2022
R&D Software Developer, Internship — Kolkata, India

- **Realtime Health Monitoring System on SCM:** Collaborated with the team to develop an automatic health monitoring system for the BIC Solution Configuration Manager (SCM) Using Various **API**s. The system monitored **performance metrics** and generated alerts using **Webhooks** and Social Media Platform Notification Integrations based on **real-time data analysis**, ensuring the reliability and performance of SCM. **Technologies Used: Java, Grafana, New Relic, PowerShell Scripting, SQL, Python**

PROJECTS

Green Heroes — Jan 2022
An initiative to motivate youth to plant trees through modern technology and social media — Github

- Developed a social media platform for tree enthusiasts on **Android** using **Java**, providing an interactive way to promote environmental sustainability. Integrated various **API**s to deliver real-time weather, pollution data, and location-based services for tree planting. Also for maintaining Social Networking Unstructured Data used **Firebase**
- **Technologies Used: Android, Java, TensorFlow, Firebase, JSON, API for Maps, Weather, and Pollution Records**

**Opinion Mining of Adapted Movies Based on Social Network Analysis** — Jul 2022 - Jul 2023
Prof. Dr. Tapan Chowdhury, TMSL Kolkata — Github

- Project using **Artificial Intelligence** and **Deep Learning Algorithms** to dive deep into Movies and Novels and find comparative story analysis similarities and character synthesis based on **Social Network Analysis** and Real time **Sentiment Analysis**. **Technologies: OpenCV, NLP, SNA Graphs, Python**

Other Projects

- **Food to Feed :** Developed during a Hackathon to combat **Global Hunger**.
- **Watch-2-Gather :** **Video Streaming Application** to watch and sync **Real time media playback** for Long Distance Friends. **To watch movies and shows together**

SKILLS

|	
Programming languages & Concepts: Java, C, C#, Python, JS, TS, DSA, OOPS, AGILE, SOLID, OS, Networking	**Web Technologies:** Angular, SpringBoot, Hibernate, Spring MVC, REST API, TypeScript, Bootstrap. HTML, CSS, Node.JS
ML/AI: NLP, Numpy, OpenCV, Matplotlib	**Miscellaneous:** MySQL, MongoDB, Android, Firebase, Git

ACHIEVEMENTS

Starlight Award at Hyland	Awarded 3 Times For exceptional Feature Work and Demonstration for Stakeholders	2024
(KRITANJ) at NIT	Winner(1st) at Blind Coding Inter-College-Competition	2022
(EDGE) at TMSL	Winner(2nd) of GEEKATHON (3 day Hackathon)	2022
(KRITANJ) at NIT	Winner(2nd & 3rd) at DEBUGGING and CODEIT Inter- College-Competition	2022

CODING PROFILE LINKS

Leetcode (200+)	Codechef 1	Codechef 2	GeeksForGeeks	HackerRank