Spandan Basu

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EDUCATION

Techno Main Saltlake, Kolkata. B.Tech(CSE)

Bachelors of Technology in Computer Science and Engineering

GPA: 9.3/10.0

Jul 2019 - Jun 2023

Hyland Software

August 2023 - Ongoing Kolkata, India

R&D Software Developer

• 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,

- 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,
- 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

CSS, JavaScript

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 APIs. 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 APIs 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 2: Developed during a Hackathon to combat Global Hunger.
- Watch-2-Gather Z: 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.

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 ☑