ROHIT MOHANTY

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Academics

Master of Science (ScM) in Computer Science at Brown University, RI — Aug 2021 - May 2023
Bachelor of Technology in Electrical and Electronics Engineering at IIIT Bhubaneswar, India — Aug 2013 - June 2017

Achievements

FACEBOOK HACKER-CUP – 2021: Cleared the Qualification round and Round 1 of the contest and progressed to Round 2.
MICROSOFT Q# QUANTUM COMPUTING CODING CONTEST – 2020: Secured an international rank of 288
TopCoder Open Algorithm Competition – 2018: Cleared the Round 2 of the contest and secured an international position of 162 in Round 3.
ACM-ICPC Asia Amritapuri 2016-17: Awarded an honorable mention during onsite regional round.

Technical Skills

Languages	C++, Python, C, C#, Java, Shell script, JavaScript	**OS**	Windows, Linux
Web	REST API, SOAP, AJAX, HTML5, CSS, D3.js, React	**Databases**	Oracle, MySQL, MS SQL Server, MongoDB, Redis
Frameworks	.NET, Flask, OpenCV, Angular, Spark, Hadoop, Kafka	**Libraries**	NumPy, Scikit-learn, TensorFlow, Keras, PyTorch

Work Experience

Aastha Rehabilitation Center, India — **Senior Manager (Team size-20)** — Oct 2019 – Apr 2021

Highlights: Managed a team of highly motivated individuals in this government-funded NGO focused on the welfare of less fortunate people in the tribal belt of the state of Jharkhand in India. Targeted to help physically and mentally challenged children become self-dependent.
Roles and Responsibilities:
- Organized 5 health check-up and dental check-up camps to help the poor children receive proper medical and dental treatment.
- Lead the team responsible for rehabilitation of handicapped children and facilitated their progress.

Dell, India — **Software Development Engineer (Team size-10)** — July 2017 – Sept 2019

Highlights: Worked for the Dell Federal Business Enablement Team that enables the end-to-end fulfilment of orders for US Federal Government.
Achievements: Dell Champions Award
Technologies Used: Python-Flask, Siebel CRM
Roles and Responsibilities:
- Worked as part of the Siebel Customer Relationship Management team which was responsible for handling the frontend tasks of FBE team.
- Converted the SOA (middleware) services into Python using Flask and migrated them to Pivotal Cloud Foundry.
- Controlled the migration of Siebel code and managed 5 different environments while working as a Siebel Administrator.

Publication

Title	Brain Tumor Detection: A Review of Early-Stage Tumor Detection Techniques
Conference	International Conference on IoT and its Applications (ICIA-2020)
Description	The research paper covers a comprehensive review of various techniques for early-stage brain tumor detection.

Academic Projects

Loglizer (Log Anomaly Detection Framework) — **Oct 2021 – Nov 2021**
Technologies Used: Deep Learning, Python, TensorFlow, Keras, CNN, LSTM, NLP, NumPy
Used a CNN and LSTM based model to build an NLP based framework to detect anomalies in logs generated by large scale distributed systems.

Machine Translator — **Sept 2021 – Oct 2021**
Technologies Used: Deep Learning, Python, TensorFlow, Keras, Transformer, Multi-headed Attention, NumPy
Built a multi-headed attention Transformer based model using TensorFlow and Keras to translate one language (French) into another (English).

Stock Price Predictor — **Oct 2020 – Dec 2020**
Technologies Used: Deep Learning, Python, TensorFlow, Keras, LSTM, TensorBoard, NumPy
Implemented an LSTM based model using TensorFlow and Keras to predict the stock prices and used TensorBoard to visualize the results.

Blogging Site — **Mar 2020 – Apr 2020**
Technologies Used: Python-Flask, OAuth, SQLAlchemy, HTML5, CSS, JavaScript
Used Python-Flask, HTML, CSS and Bootstrap to create a website where users can create accounts and post, edit and comment on blogs.

Face Recognition & Gender Classification Web Application — **Mar 2019 – May 2019**
Technologies Used: Machine Learning, Python, Scikit-learn, SVM, OpenCV, NumPy, Pandas, PIL, Python-Flask, HTML5, CSS, Bootstrap, JavaScript
Developed a web application for face & gender detection using OpenCV, SVM, NumPy and Pandas and rendered it using Python-Flask & JavaScript.