

SIDDHARTH BHANDARI

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Portfolio · Github · LinkedIn

EDUCATION

Indian Institute of Information Technology - Dharwad

B.Tech. Data Science and Artificial Intelligence *GPA: 8.75*

Dharwad, Karnataka, India.

Dec 2020 - Jun 2024

Relevant Courses: Data Structures, Design & Analysis of Algorithms, Object Oriented Programming, Operating Systems & Cloud Computing, Database Management Systems, Computer & Communication Networks, Machine Learning, Finance & Accounting, Economics, Financial Data Analytics, Linear Algebra, Probability & Statistics

EXPERIENCE

Bitloka Solutions Pvt. Ltd.

Gen AI Developer - Intern

Bengaluru, Karnataka, India

November 2023 - Present

- Spearheaded the fine-tuning process of LLMs, specifically leveraging **Pinecone and LangChain (LLAMA2)**, to enhance model performance and cater to the unique requirements of **Kubernetes users**.
- Established an efficient **ETL data ingestion pipeline** by leveraging **Apache Airflow** to facilitate seamless data transfer and integration from diverse data sources into **PostgreSQL and AWS S3 storage**.

Saint Mary's University

Mitacs Globalink Research Intern

Halifax, Nova Scotia, Canada

June 2023 - August 2023

- Developed **Spatio-Temporal Graph Social Network** and achieved 0.62 accuracy to analyze auditor-client relationship dynamics
- Synthesized and analyzed intricate **datasets** from diverse sources, including Bloomberg, CompuStat, Audit Analytics, and Sustainalytics, to generate comprehensive node features for companies..
- Developed modules for comprehensive annual report analysis, demonstrating expertise in **data-driven decision-making processes**.

SKILLS

Languages:	Python, C++, Javascript, Move, Solidity, R	Data Science:	Pandas, Numpy, Seaborn, NetworkX
Machine Learning:	Tensorflow, Scikit Learn, PyTorch	Cloud:	Heroku, GCP, AWS
Web Development:	Node.js, Express, React, Flask, BASH Scripting	Databases:	MongoDB, MySQL

PROJECTS

MetaBorrow *React, PUSH, Polygon, Solidity*

Devfolio

- Used **PUSH Protocol** to integrate notifications pop up using Ethereum Blockchain
- Integrated **Dynamic NFTs** feature using Revise Protocol to dynamically update NFTs information.
- Developed React-JS Frontend for **yield farming** platform to lend and borrow digital assets.

FunTastic *Python, MediaPipe, Tensorflow.js, Flask, MERN Stack, OpenAI APIs*

Github

- Successfully conceptualized and implemented the platform, integrating **animation technology** with educational content.
- Designed and created the **virtual agent** functionality, enhancing student-teacher interaction and facilitating a more dynamic learning environment.

Valence Aware AI Teaching Agent *Pytorch, Computer Vision, Tensorflow*

(In Progress)

- Revamped a cutting-edge **Ed-Tech** application through a collaborative effort with the Education Department at the **Indian Institute of Technology Bombay**.
- Utilized **multi-modal analysis** techniques to identify the academic emotions of elementary school students by incorporating **facial expression recognition** with computer vision models such as **Mobile Net and leveraging log data** using **Tensorflow**.

PUBLICATIONS

N. Srivastava, O. Gowda, S. Bulbule, **S. Bhandari** and A. Chaturvedi, "**Bitcoin Evolution Analytics: Twitter Sentiments to Predict Price Change as Bearish or Bullish**," 2022 IEEE International Conference on Big Data (Big Data), Osaka, Japan, 2022, pp. 3547-3556. DOI

ACHIEVEMENTS

- **First** Position Holder in **Parsec DevHack 4.0** IIT Dharwad (Dharwad, March 2023)
- **Winner** of Best DeFi Project in Polygon Track, secured third position in Revise Protocol at **ETHIndia'22** and selected for PUSH Protocol (Bengaluru, December 2022)
- **Finalist** at **Smart India Hackathon 2022** (Asia's Largest Hackathon) conducted by Government of India (Mangalore, August 2022)
- **Finalist** at **Binance Ideathon 2022** conducted by Binance and i4c - (August 2022)
- **Runner-Up** at **Shark Tank** organized by Sangam University (Bhilwara, March 2022)