

Nabarun Kar

College Station, Texas • nabarunkar01@gmail.com • (945) 544-1125 • GitHub: [nabarunkar](#) • [LinkedIn](#) • [Website](#)

EDUCATION

Texas A&M University, College Station, Texas

Aug 2024 – Present

Master of Science in Computer Science

Relevant Coursework: Deep Reinforcement Learning, Analysis of Algorithms, Artificial Intelligence

St. Thomas' College of Engineering and Technology, Kolkata, West Bengal, India

Aug 2019 - Jul 2023

Bachelor of Technology in Computer Science and Engineering

GPA: 3.80/4.00

EXPERIENCE

Advanced App Engineering Associate at Accenture, Kolkata, West Bengal

Sep 2023 – Jul 2024

- Utilized Kubernetes and Docker for container orchestration and management
- Maintained clusters by performing load balancing, basic troubleshooting and upkeep of servers
- Developed Python scripts to automate processes such as starting clusters and implementing changes
- Documented codebase implementing Kubernetes functionality
- Developed a vendor warehousing application with the help of Spring Boot and microservices

Graduate Engineer Intern at LTIMindtree, Kolkata, West Bengal

Mar 2023 – May 2023

- Gained hands-on experience in Java Application Development and worked on a wide spectrum of technologies including SQL, JDBC, and Java Springboot.

ACHIEVEMENTS

Winner of E.P.I.C IT Challenge S4 hosted by TVSCredit

Nov 2023

- Won a national hackathon hosted by TVSCredit among 17,901 participants

Unstop Top 70 E-School Leaders, 2023

May 2023

- Recognized by Global Hackathon and Learning Platform UnStop as one of the Top 70 Engineering School talents

Flipkart Grid 4.0 Semi-Finalist

Jul 2022

- Led my team to Semi-Finals of a national hackathon hosted by Flipkart among 146,000 participants

TECHNICAL SKILLS

- **Languages:** Python, C++, C, Java, Javascript, Unix (Shell), Solidity, HTML, CSS, SQL
- **Framework:** React, TailwindCSS, ExpressJS, Spring Boot and Microservices, TOGAF, MVC
- **Tools:** TensorFlow, Node.js, JQuery, JDBC, REST API, Docker, Kubernetes, Postman, MS Office
- **Databases:** MySQL, PostgreSQL, MongoDB

CERTIFICATIONS

- [The Joy of Computing Using Python by NPTEL](#)
- [Build a Face Recognition Application using Python](#)
- [Blockchain Process](#)

PROJECTS

Face Recognition and Attendance System

- Detect and mark a person's attendance along with the time of entry
- Face detection is done using a trained Deep Convolutional Neural Network
- Uses Python scripts and an SVM classifier to match faces with entries in the database

Blockchain Warranty System using NFTs

- An app for minting dynamic NFTs that will expire after a specified period of time
- Built on Ethereum blockchain using Solidity smart contracts.
- Developed a decentralized application to interact with the smart contract

Template Repository Application

- Built a web application for creating letters from pre-set templates.
- Designed a maker-checker mechanism for approving the letters through various departments
- Devised a mail service through which users get confirmation once an action is completed

Image Classification for Disaster Management

- Trained an ML model using TensorFlow and Keras libraries to achieve 72% accuracy on a large dataset of building images with 15 categories
- Utilized several pre trained models and fine tuned their performances with hyperparameter tuning and custom loss function

PERSONAL SKILLS

- Public Speaking
- Communication
- Teamwork