

AKASH BAHADUR SINGH

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🌐 linkedin

🐙 github

🔗 Leetcode

Education

National Institute of Technology, Durgapur

Dec. 2020 – May 2024

Bachelor of Technology in Computer Science **cgpa: 8.49/10** (7th semester)

Durgapur, West Bengal

Navy Children School, Port Blair

April 2019 – March 2020

Central Board of Secondary Education **secured 94%**

Port Blair, Andaman and Nicobar Islands

Experience

Samsung Research and Development Institute(Bangalore)

May 2023 – July 2023

Software Engineer Intern

Bangalore, Karnataka

- Built highly efficient Python scripts to extract valuable information from diverse network device and system log files.
- Conducted thorough testing and debugging, ensuring the correctness and integrity of the extracted data.
- Collaborated effectively with a talented team, fostering effective communication, organized collaboration, and innovation to optimize the Logging Tool Backend.

Projects

Fitness Exercises App | ReactJs, Material UI | Github & Website

April 2023

- Developed a fitness exercises app in React with advanced functionalities, including exercise selection by category and muscle group, expansive exercise library, and pagination for easy navigation, using ExerciseDB API to fetch 1300 plus exercises.
- Integrated YouTube API to fetch related exercise videos, enhancing the user experience with visual demonstrations and additional guidance.

Connect | ReactJs, Node.js, MySQL | Github

September 2023

- Created "Connect", a full-stack social media application using ReactJS, Node.js, Express.js, and MySQL.
- Implemented secure authentication, utilizing JWT tokens to safeguard user data and prevent unauthorized access.
- Incorporated a responsive design, offering both dark and light modes for user comfort and personalization.
- Created and implemented RESTful APIs for seamless communication and data exchange.

Image Classification using CNN | TensorFlow, Keras, NumPy | Github

March 2024

- Implemented an image classification project utilizing Convolutional Neural Network (CNN), TensorFlow, and Keras, leveraging a dataset containing 50000 images.
- Employed CNN architecture with MaxPooling2D layers to extract features from the images, achieving a test dataset accuracy of 0.6973999738693237, showcasing the model's effectiveness in discerning image classes.

Technical Skills

Languages: Python, C++, C, JavaScript, SQL

Web development: Javascript, NodeJS, React, HTML, CSS, Express.js, Bootstrap

Database: MongoDB, MySQL

Libraries: NumPy, Pandas, scikit-learn

Development environment: PyCharm, Microsoft Visual studio

Others: Git, Postman, Github

Leadership / Extracurricular

Institution's Innovation Council

4/2023 – Present

IIC HEAD

NIT Durgapur

- Nodal center for organizing MHRD startup competitions across the Durgapur-Kolkata region with 4 star rating.

Entrepreneurship Cell

2/2021 – Present

Executive Head @ E-Summit

NIT Durgapur

- Conducted and hosted the second largest E-SUMMIT in Eastern India, with more than 15+ events and more than 5,000+ overall participants.