ARUNAV DEY

+91 897 162 2911 | arunav-dey@outlook.com | github.com/ArunavDey | linkedin.com/in/arunav-dey

EDUCATION

PES University — Bengaluru, KA, India
Bachelor of Technology; CGPA: 8.7/10.0 — *Jun. 2023, expected*

Christ Junior College — Bengaluru, KA, India
Pre-University in Science; Percentage: 88.7% — *May 2019*

Baldwin Boys' High School — Bengaluru, KA, India
ICSE in Science; Percentage: 92.3% — *May 2017*

EXPERIENCE

Web Development Intern — Jan. 2023 – Present
Hiver — *Bengaluru, KA, India*
- Handled upgradation of a package from Node 16 to Node 18
- Developed the frontend for multiple features using React and Redux
- Worked on migrating BackboneJS code to ReactJS

Undergraduate Teaching Assistant — Jan. 2023 – Jun. 2023
PES University — *Bengaluru, KA, India*
- Created programming problems related to Design and Analysis of Algorithms
- Created solutions for all such questions using concepts from the course
- Thoroughly created test cases for each question

Artificial Intelligence and Machine Learning Intern — Jun. 2022 – Aug. 2022
Pronisi Inc. — *Bengaluru, KA, India*
- Explored human-pose models such as BlazePose
- Worked using Python libraries like OpenCV, MediaPipe and Torch
- Performed data collection and preparation using Python and FFmpeg
- Performed unit and integration testing using Pytest

PROJECTS

Discrimination of ADHD using LSTMCaps | *Python, TensorFlow, Keras, MATLAB* — Jan 2022 – Present
- Created a Capsule-LSTM network for the deep learning model using TensorFlow and Keras
- Performed data cleaning and data preprocessing on the ADHD-200 dataset using MATLAB
- Used feature extraction techniques such as ReHo and fALFF using Python

Photo to Painting using CycleGAN | *Python, TensorFlow, Keras* — Jan. 2022 – May 2022
- Implemented a CycleGAN model
- Trained the CycleGAN model to convert a photo to a painting using style transfer
- Collected and prepared data as paintings from multiple artists
- Explored Google Colab while training and using the model

Railway Reservation System | *Java, Spring, ReactJS* — Jan. 2022 – May 2022
- Developed the backend using Spring and the frontend using ReactJS
- Used and explored SQLite for the database

Food Delivery Web Application | *NodeJS, ReactJS, ExpressJS, Firebase* — Oct. 2020 – Dec. 2020
- Developed the backend and middleware using NodeJS and ExpressJS
- Develoepd the frontend using React
- Used and explored Firebase for the database

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS, C/C++, Java, PostgresQL
Frameworks: MERN, NodeJS, FastAPI
Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, VS Code, Linux, Vim
Libraries: ReactJS, Redux, pandas, NumPy, Matplotlib, TensorFlow, Keras