

Aditya Meshram

B.Tech – Computer Science and Engineering – IIT, Dhanbad



+91-9834616885 @ adityasm.app@gmail.com

EXPERIENCE

Amazon, Bangalore – SDE Intern

MAY 2020 - JUNE 2020

- Interned at Amazon Fulfillment Technology – External Fulfillment Platform – VFX Team.
- Designed and Built Business Registration APIs for Node Management Service.
- Built Business Registration UIs for Node Management Service.

PROJECTS

IIT (ISM), Dhanbad – MIS – Software Development

- Built Add/Edit Employee (Non-Teaching) feature.
- Built the complete front-end and contributed to the back-end.
- Tech Stack: MySQL, Express.js, React.js, Node.js

Yield Optimization in Wafer to Wafer Stacking – Artificial Intelligence

- Designed and Built **Genetic Algorithm** to optimize yield.
- Used **Tournament Select** to select parent chromosomes.
- Performed **Multipoint Crossover** along with **Mutation** for exploring the state space.
- Achieved better percent yield than existing algorithms.

FoodInfo – Convolutional Neural Networks

- Designed and Built a CNN using **Python**, **Keras** and **TensorFlow** to classify food items.
- The Dataset consisted of 101 classes (food items), with each class having 900 images for training and 100 images for testing.
- Achieved Training accuracy of 93.24% and Testing accuracy of 91.46%.

Deep Space ExoPlanet Search – Deep Learning

- Designed and Built a **Neural Network** using **Python**, **Numpy** and **Pandas** to predict the existence of exoplanets around a star by change in flux of the star.
- The flux data was derived from observations made by the NASA Kepler Space Telescope.
- Achieved Training accuracy of 99.27265% and Testing accuracy of 99.1228%.

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — Bachelor of Technology in Computer Science and Engineering

JULY 2017 - MAY 2021 CGPA – 8.145 (Till 7th Sem)

DACN, Nagpur

12th - JUNE 2015 - APRIL 2016 - 83.33%

Somalwar High School, Nagpur

10th - JUNE 2013 - APRIL 2014 - 94.4%

SKILLS

- **Programming Languages:** Java, JavaScript, Python, C++, C, Bash
- **Java-Development:** Java, Dagger, Spring-core, Guice, JUnit5, Mockito
- **Web-Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js, MaterialUI, Redux, Jest
- **AWS-Development:** Lambda, DynamoDB, APIGateway, S3, IAM, SAM
- **Machine Learning:** Numpy, Pandas, SciKit-Learn, Keras, TensorFlow, OpenCV, Matplotlib, NLTK, Flask
- **Database:** MySQL, MongoDB
- **Deployment & Version Control:** Git, Docker

ACHIEVEMENTS

- Secured 1st position in Game of Codes 2019-IIT (ISM), Dhanbad.
- Secured 3rd position in Line Follower Bot in Vibhav 2017, IIT (ISM), Dhanbad.
- Achieved Honorable Mentions in NASA Space Settlement Design Contest 2014 conducted by NASA Ames Research Center.

POSITIONS OF RESPONSIBILITY

- Organizer, HackFest'20
- Organizer, HackFest'19
- Member, Concetto'19-Sponsorship Team
- Member, ACM'19-Sponsorship Team

HOBBIES

- Online Gaming
- Playing Guitar
- Playing Cricket and Badminton