Pradeep Mundlik

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Academic Details

Year	Degree	Institute	CGPA/Marks(%)
2025	B.Tech Artificial Intelligence	IIT Hyderabad	8.12
2021	XII (HSC)	Deogiri College, Aurangabad	95.83%
2019	X (SSC)	Ravindranath Tagore High School, Aurangabad	93.8%

Scholastic Achievements

- Secured All India Rank 1864 in JEE Advanced 2021 among 1.65 Lakh students.
- Secured 99.34 percentile in JEE Mains 2021 among 10 Lakh students.
- Secured 99.52 percentile in MHT CET 2021 among 4.2 Lakh students.

Previous Experiences

Backend Developer Intern at Kaustubha Medtech   May'23-July'23
- Worked on developing server side of web application using PHP, MySQL
- Aimed at enhancing user experience and including features for convenience of Doctors and Patients

Micro-internship at University of Auckland   July'23-August'23

Projects

Community Q&A app
DBMS, P-SQL, Django
- Developed a Django-based Community Q&A app with PostgreSQL backend, featuring user authentication, account creation, cookies-based authentication, question posting with tags, answering, user ID-based and tag-based post search, post editing and deletion, and sorting posts by upload date and number of up-votes.

Neural Network Models
Python, Deep Learning
- Implemented various deep learning models including Multi Layered Perceptron, Convolutional Neural Network with pooling layers (max and avg), Global Average Pooling (GAP), and Recurrent Neural Networks (Elman, LSTM, GRU) from scratch. Optimization using different variations of Gradient Descent Algorithm such as Vanilla, Nesterov momentum, RMSprop, and AdaGrad from scratch and their proper visualization using plots and gif.
- Visualization of Resnet50 model using Class Activation Maps, Guided CAM, Guided back-prop, Vanilla back-prop

Analysis of Further Studies of Students at IIT, Hyderabad
Applied Statistics, Python, Excel, Latex
- Collaborated on a group project for an Applied Statistics course, where data was collected from students using volunteer sampling. Utilized hypothesis testing and statistical analysis to draw meaningful conclusions based on the collected data followed by presentation of report.

Relevant Courses

- **AI/ML:** Introduction to Modern AI, Artifcial Intelligence, Programming for AI, Probability and Random Variables, Foundations of Machine Learning, Deep Learning, Convex Optimization
- **CS:** Introduction to Programming, Discrete Mathematics, Data Structures and Applications, Algorithms, DBMS I, DBMS II, Compilers I
- **Mathematics:** Calculus I, Calculus II, Differential Equations, Applied Statistics
- **EE**: Vector Calculus, Matrix Theory, Linear Systems and Signal Processing
- **Other:** Communication Skills, Personality Development, Introduction to Entrepreneurship

Positions of Responsibility

- **Operations Manager at E-Cell, IIT Hyderabad**   2022-23
Led and managed strategic operations for all events conducted by E-Cell, IIT Hyderabad, driving innovation and fostering entrepreneurial growth within the campus community.
- **Sponsorship Coordinator at Elan & nVision '23, IIT Hyderabad**   2022-23
Successfully secured sponsorships for Elan & nVision '23, IIT Hyderabad, by building strong partnerships with corporate entities and implementing effective sponsorship strategies.
- **Finance and Sponsorship Coordinator at Milan'23, IIT Hyderabad**   2022-23
Efficiently managed financial operations and secured sponsorships for Milan'23, IIT Hyderabad, ensuring the smooth execution of the event while maximizing financial support and resources.

Extracurricular

School Students Secretary   2017-18
Took part in various competitions and competitive exam including Olympiads, MTSE, Homi Bhabha Balvaidnyanik Competition 2017 by Mumbai Science Teachers Association and Science Exhibitions.