



Ashutosh Garg
 Bachelor of Technology, ME
 Minor in CSE,
 Indian Institute Of Technology, Ropar

+91-8360875243
 2018meb1213@iitrpr.ac.in
 GitHub | Website
 LinkedIn

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.47	2018-2022
Minor in CSE	Indian Institute of Technology, Ropar	N/A	2018-2022
Senior Secondary	Punjab School Education Board	81.3%	2018
Secondary	Central Board of Secondary Education	9.6	2015

EXPERIENCE

- Decimal Point Analytics** May 2021 - July 2021
Data Science Intern WFH
 - Framework used was **Pytorch** & several state of the art models were tested to improve the text recognition accuracy.
 - Worked with **sequence modelling & attention models**

PROJECTS

- Employee Leave Management & Public Profile Portal** April 2021 - May 2021
Dr Viswanath Gunturi Github
 - Website for company/institute to manage the leave applications & editable public profile.
 - Backend was based on **NodeJS** linked to multiple databases. Used **MongoDB** for profile management & **PostgreSQL** for leave management.
 - Front end was based on **Bootstrap, HTML, JS, CSS**
 - Homepage **search bar auto-complete** was implemented using **Tries data structure** for the efficient & fast search.
- Deadlock detection program for multiple working threads** Oct. 2021
Operating Systems Github
 - A deadlock detection simulator was programmed in **C language**
 - Pool of threads was generated with a fixed number of common resources, and deadlock detection algorithm was applied, and threads were freed from deadlock condition.
- Co-founder- Carnot Education LLP** January'20- March'21
Start-up Experience
 - Carnot Education LLP is a startup solving the lack of mentorship/guidance problem among students. We could onboard 2500+ users within a year and increase sales by 4X in the latest MVP. Built and managed a team of 45 mentors, ten interns, and five other team members and launched the web and the Android App version within the year.
- Minor Projects:**
Personal/ Team Projects
 - Implementation of different algorithms:* Minimum Cost Arborescence, Johnson's Algorithm, Several other graph algorithms like Bellman Ford, Dijkstra's Algorithm.
 - Artificial Neural Network projects. (**Github**)
 - CNC Machining Error Reduction using Deep Learning Models.
 - Multithreaded Socket Client-Server Based DLL function Calculator

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python
- Deep Learning:** Pytorch, Tensorflow & Keras
- Software Development:** MongoDB, PostgreSQL || **Frameworks:** NodeJS, Django
- Other Softwares:** SolidWorks(CAD), MATLAB

KEY COURSES TAKEN

- CSE & Maths:** Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Differential Equations, Probability & Statistics
- Deep Learning:** Artificial Neural Networks, Computer Vision, Deep Learning in Physical Systems

POSITIONS OF RESPONSIBILITY

- Co-ordinator,** Automotive Club, IIT Ropar Apr. 2019 - Apr. 2020
- Event Head,** Off Road Asphalt, Advitya IIT Ropar 2020

MISCELLANEOUS

- Start-Up Experience,** Co-founder, Carnot Education LLP 2020-2021
- Merit Scholarship Holder(For 2 Semesters),** Among top 7% students in the 2018 Batch(Academic Performance) 2021
- JEE Mains & Advanced,** Secured Rank in Top 1 Percentile 2020