

Mayank Chaturvedi

✉ chaturvedim4@gmail.com | 🏠 themacbit.blogspot.com | 📷 MayankChaturvedi | 🌐 mayank-chaturvedi-a66335156/

Summary

I am a computer science undergraduate with experience in the field of Artificial Intelligence, Algorithmic Optimizations and Web Development. Being an active competitive programmer, solving interesting problems has always delighted me. I enjoy learning new IT advancements and implementing them. My habit of interacting with new people and exploring newer ideas allows me to never stop experimenting. It also helps me maintain good communication skill.

Work Experience

Centre for Railway Information Systems

New Delhi, India

SOFTWARE ENGINEERING INTERN

May. 2019 - July. 2019

- Developed an AI powered NLP chatbot to handle user queries on Railways earning and reservations. Used Google Dialogflow to design and train the bot.
- Developed a backend server to handle user queries over PHP, which receives the predicted user query from chatbot and fires an SQL query on Indian Railways database.
- Technologies used were - Google cloud(and Google Dialogflow), JavaScript, PHP, SQL

Freelancer

ARTIFICIAL INTELLIGENCE/WEB DEVELOPMENT

Jan. 2020 - Present

- Developed various image recognition models using Python, PyTorch and fastai achieving some state of the art outcomes.
- Built and deployed the overall AI service infrastructures utilizing flask and various web services.
- Developed an app over Flutter to track and monitor the COVID-19 growth rate in India. Utilized Google map API to track containment zones.

Education

Birla Institute of Technology and Science, Pilani KK Birla, Goa Campus

Goa, India

B.E. IN COMPUTER SCIENCE AND ENGINEERING

Graduating 2022

Doing major in Computer Science as well as in Mathematics. Overall : 8.5 CGPA

Honors & Awards

INTERNATIONAL

- | | | |
|------|---|------------|
| 2020 | Global Rank 143 , Google Kick Start Round D | Google |
| 2020 | Global Rank 26 , Codeforces Round 641; handle mac | Codeforces |
| 2019 | Global Rank 63 , November Cook-Off, Div1; handle mac1309 | Codechef |

DOMESTIC

- | | | |
|------|--|------------------|
| 2019 | 21st Rank , ICPC India Kanpur Regional Final,19 | ICPC |
| 2019 | Ranked 13 , TCO India Finals, Jaipur | TopCoder |
| 2018 | Course Topper , Number Theory | BITS Pilani, Goa |
| 2017 | Top 99 percentile , JEE Main among 1.5 million candidates | India |

Writing

A Bit of Mac

Blog

FOUNDER & WRITER

June. 2020 - PRESENT

- A blog on Travelling, Artificial Intelligence, Psychology and Mathematics

Extracurricular Activity

AlgomaniaX (Competitive Coder' Network of BITS Goa)

Goa, India

PRESIDENT AT 2019

August. 2019 - Present

- Reformed the hierarchy of the club
- Conducted various coding contests, hackathons in collaboration with big coding platforms of US and India.

Centre for Technical Education

INSTRUCTOR

- Taught Introduction to Competitive programming to a batch of 50+ students

Goa, India

Jan. 2020 - May. 2020

Introduction to Psychology course

STUDENT

- Undergoing an online Psychology course by professor Paul Bloom

Yale, US

March. 2020 - Present