

Anurag Vallur

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Education

PES University - B.Tech

Sept 2021 - Jul 2025

Major: Electronics and Communications Engineering

Minor: Computer Science and Engineering

IIM Bangalore - BBA

Sept 2024 - Sept 2027

Major: Digital Business and Entrepreneurship

RV PU College

Jul 2019 - Aug 2021

Class 12th, Karnataka Pre-University Board

Result: 95 %

St. Paul's English School

Mar 2019

Class 10th, CICSE

Result: 95 %

Experience

Summer Intern, iNube Software Solutions Pvt Ltd.

Jun 2024 - Aug 2024

A Fintech company simplifying Insurances through Policy Management products

- Optimized dashboard UI; added Task Management System features
- **Tech stack:** React, Material UI, Tailwind CSS

Projects

1. **Aircraft Taxiing Automation** - Collaboration with *ATCOs at Kempegowda Internatinal Airport Limited(KIAL), Bengaluru* to create a Reinforcement Learning model which provides the shortest and the most optimized aircraft taxi-routes during times of congestion/traffic on ground.
 - Developed and plotted the airport map layout and RL algorithm.
 - **Tech Stack:** Python - Pygame, OpenAI Gymnasium, PettingZoo, Stable Baselines
2. **Flight Delay Prediction** - Created an ML model using Random Forest to predict flight delays.
 - **Tech Stack:** Python - Pandas, NumPy, Matplotlib, Sklearn
3. **Car Headlight Simulator** - Created a program in SystemVerilog which simulates the headlights of a car and their blinking in sequential order.
4. **TCP Handoff Cache Server** - Created a cache server which displays the working of TCP Handoff to improve load balancing and scalability in network services.
5. **Universal DSO Driver** - Created a universal driver in Python for Digital Storage Oscilloscope such that any brand or different models are able to function without requiring any specific drivers.

Leadership and Extracurricular Activities

- Dhaaga – Online thrift store concept for Gen-Z (developed during an entrepreneurship course at the Center for Innovation and Entrepreneurship, PES University); conducted market research and business planning; awarded Best BMC and Best Prototype.
- Won Best Pitch at IIM Bangalore during One Day at IIMB event for talking about the relevance of MBA in modern times.
- Completed Summer Program at IIM Udaipur with 150 other students where subjects like Marketing, Financial Accounting and Supply Chain Management were taught.
- Participated in 3 Hackathons: Synapse 2.0, Codedex, Bank of Baroda.
- Completed 6 Harvard Management Courses on Business Management.

Technical Skills

- Languages: C++, Java, Python, SystemVerilog
- Web Development: HTML & CSS, JavaScript, React, PostgreSQL
- Courses: Machine Learning Specialisation, Deep Learning Specialisation

Interests

- Profound interest in Geopolitics, Tech and Business Management, Startup Ideation.
- Sports: Football, Cricket, Gym.
- Reading: I like genres like Philosophy, Personal Development.