# Aneesh Patne

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## EDUCATION

**Veermata Jijabai Technological Institute** **Mumbai, Maharashtra**
*M.Tech Electronics and Telecommunication* *2023 - 2025*

**Thakur College of Engineering and Technology** **Mumbai, Maharashtra**
*B.Tech Electronics and Telecommunication* *2019 - 2023*

## TECHNICAL SKILLS

- **Programming Languages:** Python (Advanced), JavaScript, Java
- **Databases:** SQL, MongoDB, Redis
- **Web Development:** React, Next.js, SvelteKit, Tailwind CSS, HTML
- **Machine Learning:** Neural Networks , Extreme Learning Machines, Ensemble Models, Google Vertex AI.
- **Cloud Platforms:** Google Cloud Platform (App Engine, Compute Engine, BigQuery, Maps API, Authentication)
- **Data Structures and Algorithms:** Solved 500+ coding problems demonstrating strong problem-solving skills.
- **Large Language Models:** LoRA fine-tuning, prompt engineering, API integration, and custom chatbots.

## PROJECTS

- **Resume.AI : Resume ChatBot** *Dec 2024 - Present*
  *( LLM, Fine Tuning ,Huggingface)*
  - A LLaMA 3.2 1B finetuned resume chatbotcapable of engaging in conversation about my professional journey.
  - Leveraged LoRA (Low-Rank Adaptation) for efficient fine-tuning of the LLaMA model, combined with advanced prompt engineering techniques to optimize conversational flow

  *Technologies Used: Huggingface Transformers, LoRA (Low-Rank Adaptation), PyTorch, Python, Prompt Engineering*
- **Personal Portfolio** *June 2024- Sept 2024*
  *(Web Development, NextJS, MonogDB)*
  - Scalable portfolio platform with Next.js, leveraging server-side rendering (SSR) a for optimal performance and SEO, hosted on Vercel.
  - Built modular React components with custom hooks for state management, enabling theme switching, project showcases, and real-time data fetching via APIs.

  *Technologies Used:* NextJS, MongoDB, Redis
- **Socio-Economic Impact of Pollution on Life Expectancy** *2024 Onwards*
  *( Machine Learning (ML), Full Stack Web Development )*
  - A ML project to quantify the impact of air pollution on life expectancy, integrating multiple socio-economic parameters.
  - ML model used to analyze the relationships between socio-economic drivers and life expectancy, aimed at facilitating effective policy-making.

  *Technologies Used:* Machine Learning, Google Vertex AI, SvelteKit, Express
- **Vishv: Google Solution Challenge Project** *Jan 2024 - April 2024*
  *( Machine Learning (ML), Full Stack Web Development, Deployment on Vercel & GCP )*
  - A web application to promote awareness on climate change and quality education, incorporating an inclusive color-blindness-friendly interface , featured ML-driven AQI predictions.
  - Leveraged multiple Google Cloud Platform services for implementation and deployment.

  *Technologies Used:* Django, React, Django REST Framework, Google OAuth 2.0, Google Cloud Platform (App Engine, Firebase, AutoML, Google Maps API, Google Cloud SQL ).

## CERTIFICATIONS

- **Google ML Engineer Professional (Coursera)**
- **Introduction to ML (NPTEL)**
- **Python for Data Science (NPTEL) (TOP 5% Ranker)**

## CO-CURRICULAR ACTIVITIES

- Participated in **GDSC SOLUTIONS CHALLENGE 2024.**
- Participated in **SMART INDIA HACKATHON 2024.**

## SOFT SKILLS

- Excellent Communication, Team Work, Adaptability