

ARNAV UMARKAR

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EDUCATION

Vishwakarma Institute of Information Technology, Pune
Bachelor of Engineering in Information Technology | 9 CGPA
Bajaj College of Science, Wardha
12th in Mathematics, Physics, Chemistry | 90.34%

2021 - 2025

Pune, Maharashtra

2019 - 2021

Wardha, Maharashtra

WORK EXPERIENCE

Software Developer Intern, People Prudent

Aug 2024 - Feb 2025

- Developed a **comprehensive TED (Time Effort Delivery) system** to track employee work efforts across **10 key parameters**, including **output location, output file, client name, time log type (billable/non-billable), and supervisor/manager notes**, with role-based access for supervisors to review and analyze work efforts and office admins to manage employee approvals and holiday lists for accurate work hour calculations.
- Integrated **Microsoft Graph API** for **secure file uploads** in the output file section with restricted access to authorized users, and **automated email reminders** using NodeMailer for delayed submissions.
- Leveraged **data visualization tools** to generate **charts and monthly reports** on employee efforts across **4 key parameters**—effort towards, client, time log type, and type of work—enabling **in-depth performance analysis**.

PROJECTS

MyMOOC: An Online MOOC Platform |  | MongoDB, Express, React, Nodejs, Redux Mar 2024 - May 2025

- Built a **multi-institute MOOC platform** with **role-based access** for Admins, HoDs, Faculty, and Students.
- Developed **30+ REST APIs** with **JWT auth, OTP signup, and bcrypt-based secure login** system.
- Enabled Faculty to **create courses, upload media (Cloudinary), add quizzes, and assign to students**.
- Students can **enroll, track progress, access interdepartmental and purchase interinstitute courses**.
- Integrated **Razorpay for secure payments** and **auto-generates PDF certificates** on 100% course completion via PDFMake.

College Finder and Recommendation |  | MongoDB, Express, React, Nodejs, APIs Nov 2023 - May 2024

- Assists CET and JEE passed students in predicting colleges based on their **percentile or rank, caste, gender, year, round, college name, branch, and other attributes**.
- Simplified the process of **extracting cutoffs** from **1000+ page** PDFs by engineering **custom APIs** and integrating **external APIs** for enhanced functionality.
- Integrated OpenAI's API to fetch additional **information of 300+ colleges** in Maharashtra, like **hyperlinks, placement details, campus details** and more.
- Created admin panel to **delete add new PDFs of recent exam**, backend uses a python script to convert the PDF to CSV, used fs module to process CSV, used mongoDb to store data.

Movie Bird |  | React, Redux Toolkit, Tailwind CSS Dec 2023 - Feb 2024

- Built a **Netflix-like front-end app** using **React, Redux Toolkit, and Tailwind CSS**, fetching data from **TMDB API**, with **YouTube trailer playback and responsive design** for seamless multi-device use.
- Integrated **user authentication, sign-up, and profile management** using **Firebase** and created a **GPT-powered search** for genre-based movie recommendations using **OpenAI API**.
- Deployed the app with **CI/CD practices**, securing API keys, and ensuring smooth production delivery.

TECHNICAL SKILLS

- Languages:** Javascript, C, C++, Java
- Backend:** Node.js, Express.js
- Frontend:** React, TailwindCSS, HTML, CSS, Bootstrap, Redux

Toolkit

- Databases:** MySQL, MongoDB
- Developer Tools:** Postman, VS Code, GitHub

COURSE WORK

- Data Structures and Algorithms
- Operating Systems
- Object-Oriented Programming
- Database Management
- Cloud Computing
- Computer Networks

CERTIFICATES

DSA, CISCO Networking Academy, Microsoft Foundation

ACHIEVEMENTS

- Solved 1000+ questions on [leetcode](#) and [GFG](#)
- Achieved top 25% ranking in LeetCode coding contests