Vivek A Bharadwaj

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Gender: *Male* **Date of birth:** *31 Jan 1999*

ABOUT ME

I'm a software engineer with 3.5 years of industry experience at TCS and a current computer science master's student (Big Data Engineering track) at VU & UvA. Alongside my studies, I run a small freelance business where I build and maintain full stack websites for two Amsterdam bars and restaurants. I love solving practical problems like automating review data, integrating APIs, improving performance, and deploying to real users. I'm now looking for a master's thesis internship where I can bring together my industry background, my passion for building things that actually work in production, and my growing interest in data engineering.

EDUCATION AND TRAINING

Master's in Computer Science   *(Aug 2024 – Present)*
Vrije Universiteit Amsterdam and Universiteit van Amsterdam

Amsterdam, Netherlands

Relevant coursework: Parallel Programming, Data Protection, Web Data Processing, Data Mining, Web Services and Cloud Based Systems, Software Security, and Inclusive ICT, Green Lab, Digitalization & Sustainability.

Bachelor of Engineering in Electronics and Communication   *(Aug 2016 – June 2020)*
Alva's Institute of Engineering and Technology (Affil. to Visvesvaraya Technological University)

Moodabidri, India

Final grade: **First Class** CGPA: **7.60 / 10**

Internship at Centre for Nano Science and Engineering (CeNSE)   *(6 Jan 2020 – 6 Feb 2020)*
Indian Institute of Science

Bengaluru, India

Internship at Military Communications (MILCOM)   *(16 Jan 2019 – 01 Feb 2019)*
Bharat Electronics Limited

Bengaluru, India

WORK EXPERIENCE

Freelance Web Developer   *(Oct 2025 – Present)*
Viv Digital (KVK-Registered Business)

Amsterdam, Netherlands

Clients: Satellite Sports Café Amsterdam + 2 partner bars, Sandwich shop Amsterdam

- Designed, built, and deployed the full production website for **Satellite Sports Café** (https://www.satellitesportscafe.nl/), using React, TypeScript, Node.js, Tailwind CSS, and a component driven architecture.
- Developed automated data ingestion pipelines (Google Sheets CSV > parsed > transformed > rendered dynamically) for weekly sports schedules.
- Integrated multiple external APIs including Google Places, Google Maps, TripAdvisor, Instagram APIs, and custom review workflows, ensuring accurate real-time data.
- Managed end-to-end cloud deployment on a VPS using Plesk + NGINX, configured DNS routing, SSL certificates, environment variables, and performance optimizations.
- Maintain and enhance the **Sandwich Shop Amsterdam** website (https://www.sandwichshopamsterdam.com/) with UI/UX improvements, automatic review count update scripts, multilingual updates, SEO enhancements, and bug fixes.

- Successfully secured contracts to develop two additional partner bar websites based on delivered quality and client satisfaction.
- Handle full client lifecycle: requirements gathering, project scoping, communication, invoicing, and long-term maintenance.

Technologies Used: React, TypeScript, Node.js, Express, TailwindCSS, REST APIs, Plesk, VPS Server Management, NGINX, DNS/SSL, Google APIs, CSV Data Pipelines, SEO.

Systems Engineer   ***(18 Jan 2021 – 10 May 2024)***
TATA Consultancy Services Limited (TCS)
Bengaluru, India

Backup and Delegation Re-imagination

- Built an internal application enabling seamless backup and delegation work assignment for company employees.
- Developed a responsive UI of the application from scratch using Angular 7 (HTML, CSS and Typescript), Spring-boot services, and PostgreSQL.
- Developed schemas, DB tables, and queries for data interaction.
- Developed Spring Boot services to transfer the data to and from front-end using API calls.

Visa Tracker System

- Developed new features and UI modules for a large immigration application and management platform using AngularJS, Spring, and PL/SQL.
- Led the redesign of key components to change workflows for the changing US visa process.
- Addressed major security concerns including SQL Injection, XSS, buffer overflow, and implemented improved encryption.
- Built and executed JUnit test cases, performed multistage testing (SIT/UAT), and supported production issue resolution.
- Created and maintained CI/CD pipelines using Jenkins, automating build/test/deployment processes for multiple applications.
- Coordinated with multiple teams to ensure compliance with organization security and performance standards.
- This application has 10000+ concurrent users to raise Visa requests and to track and manage its process in the organization.

Technologies Used: Angular 7, AngularJS, Spring Boot, Spring, Java, PL/SQL, PostgreSQL, Docker, Jenkins, Git, Agile, JUnit

SKILLS

Programming & Scripting	:	*Python, Java, TypeScript, JavaScript, C, C++, Embedded – C, SQL, Shell Scripting*
Frontend	:	*React, Angular 7, AngularJS, TailwindCSS*
Backend	:	*Node.js, Express, Spring, Spring Boot*
Data & APIs	:	*REST APIs, Google APIs, CSV/JSON ingestion*
Cloud & Deployment	:	*Docker, Jenkins, Git, Linux, VPS/Plesk, NGINX, SSL/DNS*
Databases	:	*PostgreSQL, PL/SQL*
Other	:	*Agile, SEO, Client communication, Security compliance*

LANGUAGES

English (Level - C1)

IELTS	Listening: **8.0**	Reading: **8.0**
Overall Score: **7.5**	Writing: **7.5**	Speaking: **7.0**

MANAGEMENT AND LEADERSHIP

Freelance Developer

- Built strong client relationships through proactive communication, expectation-setting, and reliable delivery across multiple Amsterdam restaurants.

- Demonstrated entrepreneurial leadership by independently managing projects from ideation to delivery, ensuring transparency, trust, and long-term collaboration with clients.
- Trusted by business owners to deliver additional upcoming websites due to consistent quality, professionalism, and ownership.

Student Placement Coordinator - Final Year Bachelor's, AIET

- Coordinated with HR teams from multiple companies to organize campus recruitment drives.
- Trained students on interview preparation, communication, and placement readiness.
- Managed recruitment schedules and student - recruiter workflows.

Department Student Coordinator - Electronics & Communication, Final Year Bachelor's, AIET

- Organized technical conferences, lectures from experts, industrial visits, and seminars.
- Led the planning and execution of cultural, volunteering, and inter - department activities.
- Served as a point of contact between students and faculty for academic and extracurricular events.

ADDITIONAL EXPERIENCE

Waiter and Bartender (Part – Time)   *(Aug 2025 – Present)*
Satellite SportsCafé
Amsterdam, Netherlands

- Work in a fast - paced international hospitality environment, strengthening communication and customer - facing skills.
- Gained deeper insight into client needs and workflows, supporting my freelance development of the business's website.