

CHANDRESH M

<https://www.linkedin.com/in/chandresh-moorthy-274859299/>

New Horizon College of Engineering, Bangalore | chandreshtvr@gmail.com | +91 9443605724

SUMMARY

I possess strong patent drafting skills, with basic knowledge of programming languages like Java, Python, HTML, and CSS. I am proficient in patent laws and regulations. Skilled in drafting patent applications and creating patent drawings. I am confident in my ability to drive innovation and protect intellectual property.

EDUCATION

CAMPION ANGLO INDIAN HIGHER SECONDARY SCHOOL,TIRUCHIRAPALLI SSLC (Stateboard) <ul style="list-style-type: none">Score : 65.2%	2019 - 2020
CAMPION ANGLO INDIAN HIGHER SECONDARY SCHOOL,TIRUCHIRAPALLI HSC (Stateboard) <ul style="list-style-type: none">Score : 68.33%	2021 - 2022
NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE B.E Computer Science & Engineering <ul style="list-style-type: none">Score : 7.31 CGPA	2022 - Present

SKILLS

- Patent Drafting
- Patent Search
- Java (Basics)
- Python (Basics)
- HTML,CSS

PATENT EXPERIENCE

- QR Code Enabled Portal Creation System And Process Thereof**
Created a secure system to resolve queries using QR codes with layer protection, prioritizing on women and children queries. Added dashboards for tracking and solving issues transparently. Ensured data safety with storage managed by the Ministry of Personnel and Public Grievances.
- Smart Voter Card Enabled Tablet Voting System And Method Process Thereof**
Created a secure Tablet Voting System with Smart Voter Card verification for voting at home or polling stations. Included backup options like Ballot 2.0 and SMS, voice confirmations for casting vote. Made voting easier for senior citizens with mobile and tablet-based methods.
- Smart Watch For Secure Access And Real-Time Monitoring Of Multiple Assets**
Designed a Smart Watch system with fingerprint authentication for secure control of IoT devices like cars, doors, and lockers. Integrated an app for real-time device monitoring and instant alerts. Enabled seamless connectivity and quick issue resolution for enhanced security and user convenience.
- Passenger Luggage Trolley With Enhanced Mobility And Space Efficiency**
Designed a user-friendly passenger luggage trolley with steering and foldable wheels for compact storage. Added a secure open/lock mechanism and side edges to keep luggage in place during transit. Included a booking system for reserving trolleys in advance, improving convenience at busy locations.
- Automated Gate Control System With Crowd Management And Safety Features Thereof**
Developed an automated gate system with Time-of-Flight sensors to manage crowd movement and prevent overcrowding. Integrated emergency buttons, surveillance cameras, and real-time crowd updates for safety and efficiency. Designed a customizable gate for use in public venues and corporate settings, ensuring smooth operation and security.

RESEARCH ARTICLE EXPERIENCE

- **A College Chatbot Driven by Natural Language Processing Functions as An Intelligent Campus Companion** **21st Feb 2025**

Developed and deployed a cloud-based college chatbot using Microsoft Azure and NLP to provide real-time support for students, faculty, and staff.

- **Revenue Management and Dynamically Optimizing Digital Goods Pricing using Expectation-Maximization Algorithm** **21st Feb 2025**

Developed a dynamic pricing model using Expectation-Maximization and Gaussian Mixture Models to optimize digital goods pricing, enhancing profitability and customer satisfaction.

TECHNICAL PROJECTS

- **INVENTORY MANAGEMENT SYSTEM** **Oct'24 - Jan'25**

Simplify inventory management with our system, offering real-time stock tracking and efficient control with ease.

- **METRO TICKET BOOKING SYSTEM** **Jan'24 - Sep'24**

Experience seamless travel with our Metro Ticket Booking System, making your journey effortless and convenient.

- **DIAMY LOGIN PAGE - FIGMA TOOL** **Jan'24 - Sep'24**

A user-friendly login page designed for Diamy using Figma, focusing on a seamless experience. Led wireframing, prototyping, and user testing to ensure usability and design quality.

- **HOSPITAL MANAGEMENT SYSTEM** **Oct'23 - Mar'24**

The goal of the Family Hospital website project is to provide an online platform that improves the entire patient experience by seamlessly integrating necessary healthcare functions.

LANGUAGES KNOWN

- English
- Tamil

CERTIFICATIONS

- Introduction to Intellectual Property Rights - Certified by "Upad" **9th Jan 2025**
- Agile Project Management - Certified by "HP Foundation" **3rd Oct 2024**
- Introduction to Cyber Security - Certified by "Cisco" **17th Dec 2023**
- Data Science Job Simulation - Certified by "BRITHISH AIRWAYS - FORAGE" **7th Dec 2023**
- Mobile Development - Certified by "Mindluster" **7th Dec 2023**
- Cyber Security for Beginners - Certified by "Mindluster" **Sep'23 - Dec'23**

ACTIVITIES

- IEEE Member - Present
- CSI Active Member - Present
- NHCIE Student Coordinator - Present
- GREEN ENERGY CLUB EEE NHCE (Club Member) - Present

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief

Place : Bangalore

Date : 07-03-2025

Chandresh M