

# VIGNESH K

He/Him • Bangalore, Karnataka • +91 8217265100 • vigneshkhatokar@gmail.com • <https://github.com/vigneshk-2004>  
<https://www.linkedin.com/in/vignesh-k-15b49034a> • <https://vigneshk-2004.github.io/Portfolio/>

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Goal-oriented BCA graduate with a deep interest in both frontend and backend technologies. I'm eager to apply and further enhance my skills in artificial intelligence. Eager to work on diverse and challenging projects, I aim to contribute effectively while continuously learning and growing in the field of technology.

## SKILLS

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**Technical Skills:** Java, Python, HTML5, CSS3, JavaScript, React.js, Django, Spring BootSpring Security, Spring Data JPA, Servlets, JSP, RESTful API, MySQL, PostgreSQL, MongoDB, Hibernate, Git, GitHub, Eclipse, Postman, CI/CD, Docker, JUnit, Selenium, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, JSON, Jupyter Notebook, AWS Services.

**Soft Skills:** Effective communication, critical thinking, analytical problem-solving, quick adaptability, efficient time management

## EXPERIENCE

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**Cloud Engineer Intern - CogniMinds, Bangalore**

02/2025 - 04/2025

- Worked with 10+ AWS services, including EC2, S3, RDS, VPC, and IAM during a cloud engineering internship.
- Built a full-stack Attendance Management System for 10+ users with integrated frontend, backend, and database.
- Accelerated server uptime by 25% by implementing autoscaling and monitoring strategies for high-traffic handling.

**Data Science with Python Intern - Smarted Innovations, Bangalore**

04/2024 - 06/2024

- Built 2+ AI projects using Python, improving coding efficiency by 40% through hands-on development.
- Designed a content-based Movie Recommendation System using the TMDB dataset and cosine similarity.
- Created a real-time language translation tool supporting 2+ languages for dynamic communication.

## PROJECTS

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### Spam Detection System

- Launched a spam classifier using NLP, applying Bag of Words and TF-IDF for feature extraction.
- Trained models including Naive Bayes, SVM, and Logistic Regression for text classification.
- Evaluated performance using precision, recall, and accuracy for optimized model reliability.

### Movie Recommendation System

- Developed a content-based movie recommendation system using metadata such as genres, cast, and overview.
- Engineered features and applied cosine similarity on TF-IDF vectors for accurate similarity matching.
- Deployed the model using Streamlit, enabling an interactive and user-friendly web interface.

## CERTIFICATIONS

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**Introduction to Artificial Intelligence - IBM**

**Problem Solving and Controls - IBM**

**Python for Data Science - NPTEL**

**Programming in Java - NPTEL**

## EDUCATION

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**Bachelor's in Computer Applications (BCA) - Dr. NSAM First Grade College** CGPA: 9.5  
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07/2022 - 07/2025

**Pre-University (PU) - Seshadripuram Pre-University College**  
Percentage: 87.17%

07/2020 - 07/2022

**Secondary School Leaving Certificate (SSLC) - Government Boys High School**  
Percentage: 64.48%

07/2018 - 07/2020