

# NAVNEET SHANKAR

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GitHub: <https://navy1999.github.io/PersonalWebsite/>

## EDUCATION

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### VIRGINIA TECH

MS in Computer Engineering  
Expected to Graduate in 2026

Blacksburg, VA, USA  
Aug 2024 - Present

### NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA

Bachelor of technology in Electronics and Communication Engineering  
CGPA: 7.41/10

Surathkal, Karnataka, India  
Jul 2017- May 2021

### CBSE-AISSCE (Senior School Certificate) Majors in Physics, Mathematics, Chemistry and Computer Science

Institution: Delhi Private School Dubai  
Score: 93.8%

Dubai, UAE  
2016-2017

### CBSE-AISSE (Secondary School Exam)

Institution: Delhi Private School Dubai  
Score: CGPA 9.8/10

2014-2015

## WORK EXPERIENCE

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### CITICORP (CITI)

Chennai, Tamil Nadu, India

Software Developer C09 Treasury & Trade Services - Commercial Cards

July 2021 – Sep 2022

- Developed a Resource Management Application to be used internally, with ReactJS and Spring Boot Microservices and Oracle SQL
- Developed Testing Automation and test cases for Credit Card systems and Interfaces in Java and Cucumber with Selenium.
- Developed a Microservices API Discovery Portal with Eureka to be used for Trade services

### Software Developer C10 Information Services Group - Olympus Core

Sep 2022 – July 2024

- Worked on Olympus Core (Citi's Big Data Platform), in the Equities Onboarding Team, involved Extract, Transform, Load (ETL) and optimization of Data Pipelines
- Tech Stack included Scala, Hive, Impala, Apache Hadoop, Kafka, SQL, & Java

## UNIVERSITY PROJECTS & INTERNSHIPS

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- IOT/Embedded system project as part of coursework: 'Remote Patient Monitoring System' Project to collect data from various sensors monitoring body parameters & other environmental conditions, and display data on a web app/mobile app
- Winter internship in NITK, under Dr. Shyam Lal, ECE Department. (Dec 2019 -Jan 2020)
- Worked on Implementation of Attention U-NET in addition to classification with a CNN for Nuclei Segmentation of Histopathology Images under SERB-DST Project: Kidney Cancer detection System from H&E-Stained kidney Histopathological images
- Development of IOT Automation App for android, along with server side and hardware with scalability & 2-factor authentication.
- Final Year Major Project on Video captioning and Summarisation using Deep Learning (July 2020 – May 2021)
- Attention gated Autoencoder based Neural Image filling, trained on PASCAL2008

## ACTIVITIES

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Participation at Interschool quiz programs • Outdoor Sports • Kit Building & experimentation with Electronics

## TECHNICAL SKILLS & LANGUAGE PROFICIENCY

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- Java, ReactJS, AngularJS, C and C++, Python, Scala
- SQL, Hive, Impala
- Spring Boot & Microservices, Selenium, Apache Hadoop, Kafka, Spark
- Data Structures & Algorithms, Neural Networks and Deep Learning, image processing, Embedded systems, IoT, Digital Signal processing, Data Structures & Algorithms, Android Development (Kotlin), TensorFlow

### Languages

English (primary), Hindi, Kannada, Tamil