

ANIMESH KUMAR

National Institute of Technology Karnataka Surathkal
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EDUCATION

National Institute of Technology Karnataka Surathkal B.Tech in Computer Science and Engineering Cumulative Grade Point Average after 3rd Semester: 8.95	<i>August 2017 - Present</i>
AECS Magnolia Maaruti PU College, Bengaluru PU Board. Overall Percentage: 8.95	<i>July 2015 - March 2017</i>
Shri Gujarati Samaj AMNEM, Indore CBSE Board. Overall CGPA: 10	<i>July 2013 - March 2015</i>

PROJECTS

Decentralized Video Sharing Platform

Developed a decentralized video sharing platform using blockchain and IPFS network. All the videos uploaded onto the platform will be stored in a Peer-to-Peer network. The blockchain is developed using the Flask library in Python and storing of the video is done using IPFS. The project can be found on: <https://github.com/animeshk08/Decentralized-Video-Sharing-Platform>

DSL and Automated Code Generation (Ongoing)

Developing a Domain Specific Language(DSL) and generating automated code segments to reduce energy-related code smells in Android applications. The DSL is developed on Xtext and code generation is performed using Xtend. The project is deployed as an Eclipse plugin to be used by the developers .

Generating Music Sequence using Deep Learning

This project aims at generating music automatically using Recurrent Neural Network(RNN). In this project, the Python library Keras was used for LSTM Neural Network and Pandas was used for data handling.

Engineer(Techfest) App

Developed the official Android application for Engineer(Techfest) for the year 2018. The app can be found on: https://github.com/animeshk08/Engi_App

Shazam-like Music Recognition

Music Recognition web application is developed using Django and Python. The song recognition is done by FFT generation and hash mapping of the recorded segment of the song with the existing database.

TECHNICAL STRENGTHS

Language/Markup and Scripts	C, C++, JAVA, Python, HTML, JavaScript, CSS, Xtext
Tools and Framework	Django, Node.js, Android Studio, Firebase, Git, Ethereum, SQLite, Latex

ACADEMIC ACHIEVEMENTS

Awarded Scholarship under NTSE scheme(2015).
Awarded KVPY fellowship under IISC Bangalore(2015). **AIR:191**

EXTRA-CIRRICULAR

Executive Member - ISTE NITK

Executive Member - Artists' Forum NITK.

Marketing Executive - Baja NITK Racing.

Core developer Team - Engineer(Technical Fest) Android App for the year 2018.

A Member of NITK Readers' Community.

Participated in Vijyoshi Camp 2016 organized at Indian Institute of Science, Bangalore.

Table tennis and basketball enthusiast.