Animesh Kumar

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EDUCATION	**National Institute of Technology Karnataka**, Surathkal *Bachelor of Technology (B. Tech)*, Computer Science and Engineering(CSE) 2017-Present CGPA: 8.94/10.00 **AECS Magnolia Maaruti PU College**, Bangalore *Class XII (Pre-University Education)*, PU Board Graduated 2017 Aggregate 91.5% **Shri Gujarati Samaj AMN English Medium School**, Indore *Class X (Secondary Examination)*, CBSE Graduated 2015 CGPA: 10/10
TECHNICAL STRENGTHS	**Languages/Markup and Scripts :** JAVA, Python, C++, C, HTML, CSS, Xtend, Xtext **Tools/Framework :** Android Studio, Firebase, Django, Git, Ethereum, Latex, MySQL
EXPERIENCE	**Summer Research Intern** **June 2019 - July 2019** Indian Institute of Science(IISc), Bangalore • Extended a dataflow analysis tool to perform precise data flow analysis using Affine Relation Analysis(ARA). • The development environment associated with the tool was Java and most of my work was associated with the usage of EJML library of java. **Android development Intern** **April 2019 - May 2019** Digiretail Software India Private Limited • Worked with the development of MyDukan Android Application • Revamped payment gateway to support Razorpay Android SDK • Refactored My profile screens to support the new UI. • Worked on additional feature of app, namely Gowbiz Calculator.
PROJECTS	• **Decentralized Video Sharing Platform** Developed a decentralized video sharing platform using blockchain and IPFS network.The blockchain is developed using the Flask library in Python and storing of the video is done using IPFS. *GitHub link* • **DSL and Automated Code Generation** Developed a Domain Specific Language(DSL) and generated 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. • **Generating Music Sequence using Deep Learning** This project aimed 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. • **Shazam-like Music Recognition** Developed Music Recognition web application 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.*GitHub link*
ACADEMIC AWARDS	• Awarded Scholarship under NTSE scheme(2015). • Awarded KVPY fellowship under IISc Bangalore(2015). **AIR:191**
ADDITIONAL ACTIVITIES	• Executive Member - ISTE NITK. • Executive Member - Artists Forum NITK. • Marketing Executive - Baja NITK Racing. • Table tennis and basketball enthusiast.