

Amith Bhat Nekkare

CONTACT DETAILS	Email: amithbhat01@gmail.com Phone: +91 9901268316 or +971 508502105 Address: #128, Vindhya Block, NITK, Mangaluru, India	
EDUCATION	B.Tech in Information Technology, Third Year National Institute of Technology Karnataka, Surathkal • CGPA : 8.28 /10 (August 2020) Class 12 - Our Own English High School, Sharjah(Boys' Branch) (CBSE) - 96% Class 10 - Our Own English High School, Sharjah(Boys' Branch) (CBSE) - 10.0 CGPA	<i>2018-22</i> <i>2017-18</i> <i>2015-16</i>
TECHNICAL SKILLS	<ul style="list-style-type: none">• Languages: C, C++, Java, Python.• Tools/Frameworks: MySQL, STL.• Relevant Coursework: Data Structures and Algorithms-I, Data Structures and Algorithms-II, Operating Systems, Database Systems, Computer Communication and Networking.	
SELECTED PROJECTS	Optimal Exam Scheduling Algorithm • Implemented an exam scheduling algorithm using node graph colouring in Python. • The algorithm outperforms the Toronto benchmarks for most data sets. Forest Fire Detection using Image Processing • Wrote a program to automatically detect forest fires by applying image processing techniques such as thresholding. Implemented in Python using Numpy and OpenCV libraries, among others. • Can detect an average of 90%-92 % of fires in an image. Question Paper Generator • Designed and built a Java application to automatically generate question papers. The questions are randomly chosen from a SQL database. • Provisions for test difficulty customisation and automatic mailing of generated question paper to recipients have also been added.	<i>2020</i> <i>2019</i> <i>2019</i>
ACCOMPLISHMENTS	<ul style="list-style-type: none">• Scored perfect 2400 in the SAT Subject Tests conducted by the College Board, USA.• Selected for the Duke TIP Scholarship program in 2013.	
EXTRA CURRICULAR ACTIVITIES	<ul style="list-style-type: none">• First in regionals and third in the state finals in the TCS Tech Bytes, 2020.• Member of the Literary, Stage and Debating(LSD) Club.	