Yash Mittal

ym012@bucknell.edu | Phone: (570)768-5695 | 701 Moore Avenue C3442, Lewisburg, PA - 17837

EDUCATION

Bucknell University
Expected May 2019 | Lewisburg, PA
BS, Computer Science Engineering
(Presidential Fellow)
Cum. GPA: 3.92/4.00

G. D. Goenka Public School
Graduated May 2015 | New Delhi, India
AP Scholar with Distinction 2014
CBSE 12th Board: 96.6%

COURSEWORK

Intro to Data Structures & Algorithms
Software Engineering & Design*
Mobile Software Development
Multivariable Calculus
Differential Equations
Numerical Analysis*
Discrete Structures

INDEPENDENT COURSES

Developing Android Apps (Google)
Algorithms: Design & Analysis I (Coursera)
Intro to Point & Click Dev (Udacity)
Android Apps 101 (Coursera)
Building a Search Engine (Udacity)
 (High distinction)
Relativity and Astrophysics (edX)

SKILLS

Android SDK • Java • Python • C++
LaTeX • JS • HTML/CSS • Visual Studio
Matlab • Oracle SQL Developer

LINKS

Facebook **/imyashmittal**
LinkedIn **/ymittal**
GitHub **/ymittal**

EXPERIENCE

Student Android Developer | AIT-Budapest
Jun 2016 – Jul 2016 | Budapest University of Tech and Economics, Hungary
- Used leading libraries like Retrofit, SugarORM, Design Support, Gson to build robust and beautiful Android apps
- Led a team of three to develop an app which lets users record and share melodies (Backendless as mobile backend)
  - Implemented entire UI and social logins; features include melody playback, feed, user profile

Enterprise Systems Web Developer | Library & IT
Oct 2015 – Jul 2016 | Bucknell University, PA, USA
- Used C#, ASP .NET, AngularJS, Oracle to develop web applications used by entire Bucknell community
- Built a C# app from scratch to email iCal course schedules to students
- Migrated a .NET app to AngularJS, C# using Bucknell's latest API, created endpoints and an admin interface
- Attended framework update meetings, worked with staff and student developers to ensure quality work

Student Researcher | Electrical & Computer Engr. Department
Sep 2015 – Present | Bucknell University, PA, USA
- Research on finding non-invasive ways to monitor heart patients away from clinic
- Used Arduino and Waveforms to study functioning of a Pulse Oximeter
- Ran spectroscopic test on a heart failure biomarker (results inconclusive)
- Developing a web app to simulate nurse's role using Machine Learning

Founder | Knowledge Sharing Group
Aug 2014 – Jun 2015 | New Delhi, India
- Led more than 200 students into discussions on study abroad programs, online learning, unique career options

AWARDS AND RECOGNITIONS

2016	Recipient	McGinnis International Study Scholarship
2016	1st place	ACM Regional Programming Contest
2015	National	Aflac Scholars Award
2014	Regional	Times of India Student of the Year 2013-14
2014	International	Yale Young Global Scholars 2014
2012	Nominee	National Child Award for Exceptional Achievement

OTHER ACTIVITIES

- Won Leap Motion Hackathon organized by KEEN & ACM, built a 3D game Surface Explorer and a Spotify controller using Leap Motion SDK
- Selected for Grand Challenge Scholars Program (National Academy for Engineering), volunteered for St. Bernard's Project New Orleans
- Work as a Residential Adviser for a first-year community
- Represent Class of 2019, ACM Bucknell Chapter

* In progress