Akshit Talwar

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ABOUT ME

- **Languages**: Swift, Python, Java, Javascript, C++, SQL, PHP, HTML
- **Technologies**: Xcode, AWS, Unix, Git, Firebase, Final Cut Pro, Illustrator, Photoshop, LaTeX
- **Interests**: Psychology, philosophy, art, writing, weightlifting, photography, cryptocurrencies

EDUCATION

University of St. Andrews — St. Andrews, Scotland
Bachelor of Science (Hons) in Computer Science; Direct 2nd Year Entry; Result: 2:1 — *Aug. 2014 – June. 2017*

Bluebells School International — Delhi, India
CBSE Physics, Chemistry, Math, English & Computer Science; Result: 93% — *April 2008 – May 2014*

EXPERIENCE

Futurecam — Bengaluru, India
Software Engineering Consultant — *May 2019 - Present*
- **iOS App**: Developed a photography app using Computational Photography algorithms with modes like Light Painting, Long Exposure, and Multi-Timelapse.
- **Work**: iOS App Development, UI/UX, product management, and marketing.
- **Download**: https://futurecam.app

Freelance — Bengaluru, India
Web Developer — *Sept. 2018 - March 2019*
- **Charcoal**: Hand-coded premium responsive website (www.charcoal.design)
- **ElmTreeOrganics**: Responsive Wordpress E-commerce website (www.elmtreeorganics.com)
- **Prasad Bidapa**: Responsive Wordpress website (www.prasadbidapa.com)

Cryptare - Crypto Portfolio — Delhi, India
Founder; iOS Engineer — *July 2017 - Aug. 2018*
- **iOS App**: Developed an investment portfolio management app for Cryptocurrenices with price alerts and news.
- **Responsibilities**: App development, backend, UI/UX, product management, and marketing.
- **Achievements**: Rank 8 on iOS app store paid chart; 500+ weekly users; 50+ active subscriptions at peak
- **Stack**: Swift, Firebase, Python, AWS, HTML, CSS, Photoshop
- **Download**: https://itunes.apple.com/app/cryptare-crypto-portfolio/id1266256984

PERSONAL PROJECTS

- **Mu**: Music discovery web-app using content aggregated from Youtube and Reddit; *Angular2, Typescript, NodeJs, MongoDB*; github.com/atalw/mu
- **ChangeIndiaWithUs**: A forum where people could voice their opinions and a blog with unpopular news articles; 1000+ daily active users at peak.
- **Github**: www.github.com/atalw

RESEARCH DISSERTATION

Script Identification With Egyptian Hieroglyphs — April 2017
First class (90th percentile) — *St Andrews, Scotland*
- Extended an existing Hieroglyph OCR tool to distinguish between modern and ancient texts.
- A Convolutional Neural Network was implemented and optimised to classify the text.
- 96.875% accuracy was obtained using the model.
- http://akshittalwar.com/files/dissertation.pdf

AWARDS

- **Innovation and Creativity Award 2014**: Bluebells School International
- **International Informatics Olympiad 2012**: Interantional Rank 7
- **International Math Olympiad 2009**: School Rank 1
- **6 year scholar**: Bluebells School International